

SIERRA

THE MAGAZINE OF THE SIERRA CLUB • NOVEMBER / DECEMBER 1995

Las Vegas

**GAMBLING
ON GROWTH**

Don Young

**ALASKAN WITH
A GRUDGE**

Public Opinion

**WHY VIEWS AND
VOTES COLLIDE**

Up the Amazon

WITHOUT A PADDLE



\$2.95 / CANADA \$3.50

**Photo Contest
Winners**

"THE ULTIMA
WHAT *did you*
from a WOMAN
WHO LIKES HER
DIAMOND
BLACKS



-TIM BOYLE, PRESIDENT, COLUMBIA SPORTSWEAR

As chairman of Columbia Sportswear, my mother has an eye for things that are well cut. The Dolomite Parka™ is no exception. It's got a sense of style. And enough technical innovations to blow through Mother's

test facility. Which, by the way, lies two miles above her office—on Mt. Hood's black diamond ski runs. Up there, the weatherproof Bergundtal Cloth™ outershell is often combined with the zip-in, shelled MTR Fleece™ liner. The

TE SKI PARKA.

on EXPECT

AN

R

S

"



three-parkas-in-one flexibility fits any weather condition. touches-like Zap Fleece™ lined hand-warming pockets
As for durability, tough Hammerhead and our patented Radial Sleeves™ and
Oxford™ reinforces stress points at the you've got something that's truly flawless.
elbow and shoulder. Add in the little



Columbia
Sportswear Company

For the Columbia reader nearest you in the U.S. and Canada, call 1-800-551-0711.

You're 37,000 feet over the Atlantic and you wish you could sleep. The engines hum. The Mozart lulls. You feel secure. You feel taken care of.



Lufthansa

Zzzzzz.

For reservations and information call 1-800-645-3880 or see your travel agent. Accrue or redeem miles in either Lufthansa Miles & More™ or United Mileage Plus® when you fly on Lufthansa flights or flights operated by our global partner, United Airlines.

SIERRA

THE MAGAZINE OF THE SIERRA CLUB

FEATURES

36

HOUSE OF CARDS

If you designed a city for maximum waste, you couldn't do better than Las Vegas—where being postmodern means never having to say you're sorry.

by Mike Davis

42

VIEWPOINTS

Earthly visionaries: the winners of *Sierra's* 16th annual photo contest.

50

LEADER OF THE PACK

Don Young, would-be "alpha wolf" of the House Resources Committee, sinks his teeth into wilderness and environmentalists.

by B. J. Bergman

56

HEARTBURN OF DARKNESS

A slow boat up the Amazon to an extractive reserve, where rubber tappers tap rubber nobody wants to buy and dine on endangered species. Is this any way to save a rainforest?

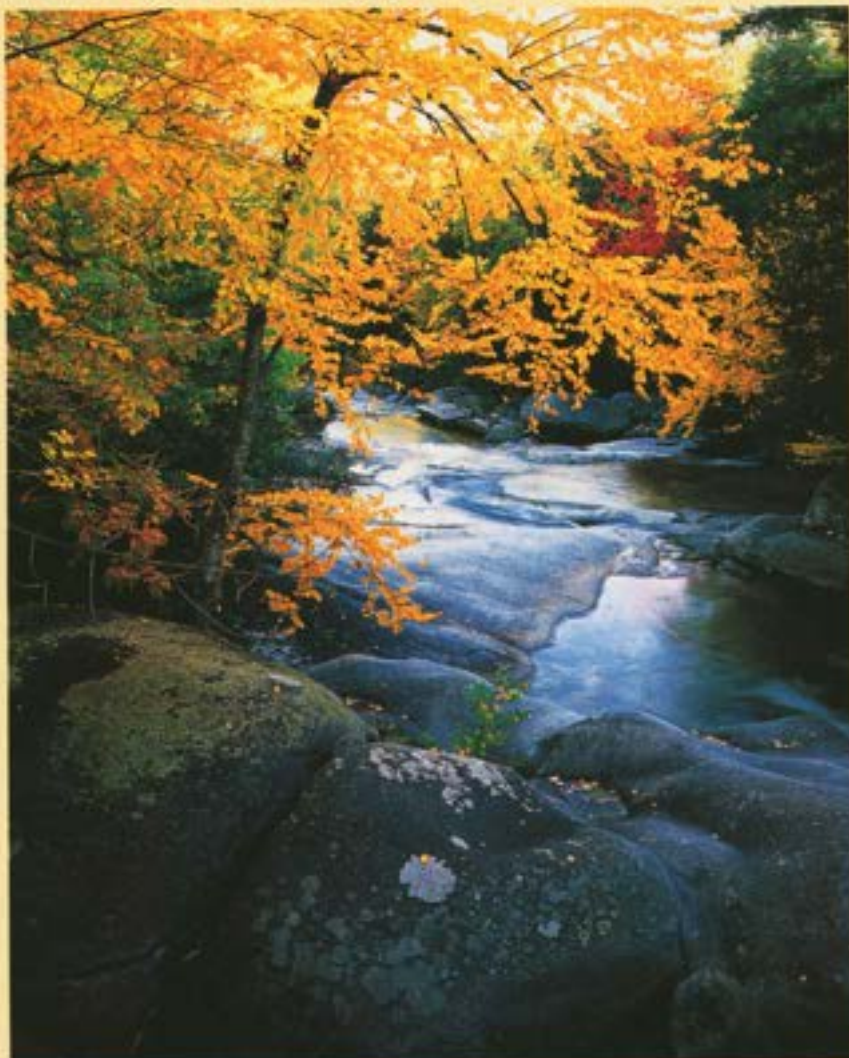
by Bill Gann

NOVEMBER/DECEMBER 1995 • VOL. 80/NO. 6

CONTINUED

SIERRA

DAVID CLIFTON



Seeing what Thoreau saw in the wildlands of Maine, page 74.

DEPARTMENTS

12 • LETTERS

18 • WAYS & MEANS

Bill's betrayal
Carl Pope

20 • FOOD FOR THOUGHT

Thin skins
Paul Rauber

22 • HEARTH & HOME

Hemp: miracle plant or pipe dream?
John Byrne Barry

26 • BODY POLITICS

Air pollution gets particular
Michael Castleman

28 • PRIORITIES

- The truth behind the polls
- Wise Use charm school
- Eco-Thug Award

63 • THE SIERRA CLUB BULLETIN

- Beating back the War on the Environment
- Leaner and meaner Sierra Club
- Betty Crocker meets Rachel Carson
- Ecoregion roundup

74 • WAY TO GO

The Maine Woods
Stephen Gorman

84 • LAST WORDS

Machines for the scrap heap

COVER

Indian paintbrush beneath dewy web.

Photo by Ewa Peter, Rochester Hills, Michigan, first-place winner (tie) for "Abstracts" (color) in Sierra's photo contest. See page 42.



Hempen hopes, page 22.

Sierra (USPS 495-920) (ISSN 0161-7362), published bi-monthly, is the official magazine of the Sierra Club, 730 Polk St., San Francisco, CA 94109. Annual dues are \$35. Members of the Sierra Club subscribe to *Sierra* (\$7.50) through their dues. Nonmember subscriptions: one year \$15; two years \$26; foreign \$20; single copy \$4.00 (includes postage). Second-class postage paid at San Francisco, CA and additional mailing offices. Copyright © 1995 by the Sierra Club. Reprints of selected articles are available. Send all correspondence to: Sierra Club Public Affairs, POSTMASTER: Send all address changes to: *Sierra*, c/o Sierra Club Member Services, Boulder, CO 80322-2968. BLADE: direct and a *Sierra* address list (voice), (415) 398-5284 (TDD).

one Miso & More™

Only from the mind of Minolta!

Cameras
Copiers
Faxes
Digital Systems
Document Imaging
Camcorders
Binoculars
Color Sensors

Only from the mind
of Minolta



MINOLTA

A step backward that's a leap forward!
The Maxxum 600si replaces electronic fussiness
with big, bold, beautiful buttons and dials.

You're in touch with your camera. Every readable dial, lever or selector means easy control. A knob spins, a dial turns and another 600si feature goes to work. From Expert Program Selection to Honeycomb Pattern Metering. Want more drama in your flash photos? You get it with Slow Shutter Sync. Freeze action? How does 1/4000 sound? Plus: Omni-Dimensional Autofocus, Red-Eye Reduction and 4 Exposure Modes. Suddenly, simply, you master advanced AF SLR photography!

FOR MORE INFORMATION:
WRITE MINOLTA CORP. DEPT. 2014
101 WILLIAMS DRIVE, RANNEY TOWNSHIP,
OHIO COMPUSERVE TYPE GO MINOLTA
©1991 MINOLTA CORPORATION, INC.

loaded with
hobbyist
and the
very
best
features.

**OUTDOOR
CAPHER**



NEW
**MAXXUM
600si**

Stars of Maxxum's
10-year Evolution!
300si, 400si, 600si and 700si

Meet some colourful characters.



Sailing vessels that have served pirates and explorers for 500 years, a schooner whispers past the Batters near St. John's harbor.

Where in the world can you find houses of yellow and blue, lime, aqua, and green that cling to the shore at the edge of the sea. As proud to show their true colours as the people who greet you at every turn. Come see a street we call Jellybean Row. Imagine that.

To get more local colour, get our free 240-page Travel Guide to a world of difference. The far east of the western world. Call Shannon at

1 800 563 NFLD



**NEWFOUNDLAND
& LABRADOR**

SIERRA CLUB

ONE EARTH, ONE CHANCE

SIERRA CLUB DIRECTORS

J. Robert Cox, *President*

Kathy Fletcher, *Vice-President*

H. Anthony Ruckel, *Treasurer*

Carolyn Carr, *Secretary*

Dave Foreman, *Fifth Officer*

Phillip Berry, David Brower, Lawrence

Downing, Rebecca Falkenberg, Roy C.

Hengerson, Laura Hoehn, Mary Ann Nelson,

Michele Perrault, Denny Shafler,

Adam Werbach

HONORARY PRESIDENT

Edgar Wayburn

ISSUE VICE-PRESIDENTS

Kathy Fletcher, *Conservation*

Phillip Berry, *Conservation Law*

Ed Paynter, *Volunteer Development*

Charles McGrady, *Political Affairs*

Michele Perrault, *International*

Elden Hughes, *Communication and Education*

Harry Dalton, *Membership and Development*

Susan Heitman, *Outdoor Activities*

REGIONAL VICE-PRESIDENTS

Mark Lawler (Northwest)

Vicky Hoover (Northern California/Nevada)

Mark Cassel (Northeast)

Mike Arnett (Southern Plains)

Tim Frank (Southern California/Nevada)

Marvin Roberson (Midwest)

Richard Hellard (Alaska)

Connie Wilbert (Northern Plains)

John Wade (Southwest)

Nelson Ho (Hawaii)

Ed Drane (Appalachia)

Nick Aumen (Gulf Coast)

Rosemary Fox (Canada)

SIERRA CLUB NATIONAL OFFICES

Alaska: 241 E. 5th Ave., Suite 205, Anchorage, AK

99501, (907) 276-4048 **Appalachia:** 69 Franklin St.,

Annapolis, MD 21401, (410) 268-7411; 1447 Peachtree

St., N.E., Suite 305, Atlanta, GA 30309, (404) 886-9778

Canada: Sierra Club of Canada, 1 Nicholas St., Suite

620, Ottawa, Ontario K1N 7B7, (613) 241-4611; Sierra

Club of Western Canada, 1525 Amelia St., Victoria, B.C.

V8W 2K1, (604) 386-5255; Sierra Club of Eastern

Canada, Suite 303, 517 College St., Toronto, Ontario

M6G 4A2, (416) 960-9006 **Midwest:** 214 N. Henry St.,

Suite 203, Madison, WI 53703, (608) 257-4994; 2460

Fairmont Blvd., Suite 307, Cleveland Heights, OH

44106, (216) 791-9110 **Northeast:** 85 Washington St.,

Saratoga Springs, NY 12866, (518) 587-9166; 7 North

Chestnut St., Augusta, ME 04430, (207) 626-5635 **California/Nevada/Hawaii:** 4171 Piedmont Ave., Suite

204, Oakland, CA 94611, (510) 654-7847; 923 12th St.,

Suite 200, Sacramento, CA 95814, (916) 537-1108, 3345

Wildcat Blvd., Suite 508, Los Angeles, CA 90010, (213)

387-6528; 1642 Great Highway, San Francisco, CA

94122, (415) 665-7008 **Northern Plains:** 23 N. Scott

Room 27, Sheridan, WY 82801, (307) 672-0425; 101 E.

Broadway, Suite 410, Missoula, MT 59802, (806) 549-

1656 **Northwest:** 1516 Melrose Ave., Seattle, WA

98122, (206) 621-1696; Bx. 2, Box 303-A, Pullman, WA

99163, (509) 332-5173 **Southeast:** 1330 21st Way South,

Suite 1000, Birmingham, AL 35205, (205) 933-9111;

2001 Palm Beach Lakes Blvd., Suite 300, West Palm

Beach, FL 33409, (407) 689-1380; 1104 Nuñez St., Suite

1, Austin, TX 78701, (512) 472-9994 **Southwest:** 510 E.

Portland St., Phoenix, AZ 85004, (602) 254-0330; 2017

Tenth St., Suite B, Boulder, CO 80302, (303) 449-5595;

2273 S. Highland Dr., Suite 2-D, Salt Lake City, UT

84106-2832, (801) 467-9294 **Washington, D.C.:** 406

C St., N.E., Washington, DC 20002, (202) 547-1141.

Wherever adventure takes you,
one tool is all you need!



- Needlenose pliers
- Regular pliers
- Wire cutters
- Knife blade
- Can/bottle opener
- 4 screwdrivers
- Metal/wood file
- Awl/punch
- Ruler

Only 5 ounces
Folds to just
4 inches

Made in U.S.A.
25 year guarantee
100% Stainless Steel

The Original
Leatherman® Tool

LEATHERMAN®

World's finest compact multi-purpose tools.

LEATHERMAN TOOL GROUP, INC. P.O. Box 20595 Portland, Oregon 97220 Tel: (503)233-7826

Social Responsibility *and* Investment Performance

With the Parnassus Income Fund, you have a choice of two top-performing Portfolios: Balanced and Fixed-Income. The Balanced Portfolio invests in both dividend-paying stocks and fixed-income securities. The Fixed-Income Portfolio invests in bonds and other fixed-income instruments. The Fixed-Income Portfolio provides more current income while the Balanced Portfolio offers both income and the potential for growth.

For the year ended June 30, 1995, the Balanced Portfolio had a total return of 20.99% which placed it third out of the 170 balanced funds followed by Lipper Analytical Services.* With a total return of 15.77%, the Fixed-Income Portfolio placed fifth out of the 107 funds followed by Lipper that invest at least 65% of their assets in debt rated "A" or better.*

The Parnassus Income Fund takes social as well as financial factors into account in making investment decisions. The companies we invest in are good corporate citizens and when the Fund buys government securities, the activities financed have a positive social impact. If you're looking for income and social responsibility, consider the Parnassus Income Fund.

Past performance is no guarantee of future results. Investment return and principal will fluctuate so that an investor's shares, when redeemed, may be worth more or less than their original cost.

For more complete information, including management fees and expenses, call or write the Fund at the address below for a current prospectus. Read it carefully before you invest or send money.

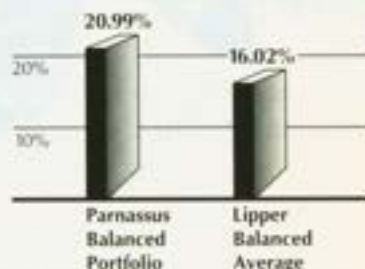
* The Fund's adviser is temporarily waiving fees and had the fee waiver not occurred, total return would have been lower.



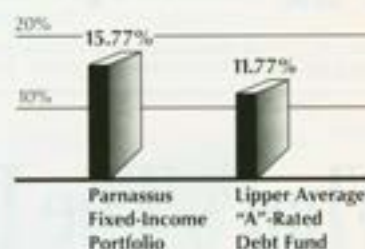
TOTAL RETURNS

For one year from 6/30/94 thru 6/30/95

PARNASSUS BALANCED PORTFOLIO



PARNASSUS FIXED-INCOME PORTFOLIO



AVERAGE ANNUAL TOTAL RETURNS

For periods ending 6/30/95

PARNASSUS BALANCED PORTFOLIO

One Year	20.99%
Since Inception on 9/1/92	12.09%

PARNASSUS FIXED-INCOME PORTFOLIO

One Year	15.77%
Since Inception on 9/1/92	7.24%



THE
PARNASSUS
INCOME FUND

800-999-3505



Distributed by Parnassus Investments 244 California Street, San Francisco, California 94111



"You've been eating
too much garbage lately."

Concept II Indoor Rower

The complete exercise

FACTORY DIRECT FROM VERMONT: RR1 BOX 1100-F2S, MORRISVILLE, VT 05661-9727
1-800-245-5676 FAX: 802-888-4791 E-MAIL: conceptii@delphi.com

Ask for our FREE video.

SIERRA

Joan Hamilton • *Editor-in-Chief*
Kathleen Sachs • *Associate Publisher*
Martha Geering • *Art Director*
Marc Lecard • *Managing Editor*
Reed McManus • *Senior Editor*
Paul Rauber • *Senior Editor*
B. J. Bergman • *Associate Editor*
Robert Schildgen • *Copy Editor*
Tracy Baxter • *Assistant Editor*
Michael Agostini, Sarah Greenwald
Editorial Interns

Naomi Williams

Art and Production Manager

Nina Moore • *Production and Design*

Michelle Susoev • *Photo Researcher*

Arun Madan

Circulation/Business Manager

Alexandra Heatly

Advertising Production Coordinator

Marilyn Matty • *Eastern Sales Manager*

Bruce Ellerstein, Mary Taylor

Account Executives

Jill Andryczak • *Market Guide Manager*

Lorraine Vallejo

Marketing/Promotion Manager

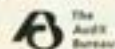
Jackie Acampora • *Advertising Assistant*

Editorial, Advertising, and Business Offices:
730 Polk St., San Francisco, CA 94109, (415) 776-2211; e-mail: sierraletters@sierralab.org. East Coast Advertising: 1501 Broadway, Suite 1303, New York, NY 10036, (212) 730-0270. Midwest Advertising: Donna Boersma, 320 N. Michigan Ave., Suite 2300, Chicago, IL 60601, (312) 263-4100. Michigan Advertising: Albaum, Maierama & Assoc., Inc., 418 W. Fifth St., Suite C, Royal Oak, MI 48067 (810) 546-2222. Southwest Advertising: Mary Taylor, 23008 Kathryn Ave., Torrance, CA 90505, (310) 373-6559. Northwest Advertising: Lisa Schwartz, Market Guide: Jill Andryczak; 6260 139th Ave., N.E., Suite 77, Redmond, WA 98052, (206) 883-1538.

Unsolicited submissions must include a self-addressed, stamped envelope. Photo submissions should be insured or registered. Sierra is not responsible for material lost or damaged in the mail.

SIERRA CLUB EXECUTIVES

Carl Pope • *Executive Director*
Michael McCloskey • *Chairman*
Deborah Sorondo • *Chief Operating Officer*
Bruce Hamilton • *Director of Conservation*
Bob Bingaman • *National Field Director*
Jean Freedberg • *Director of Communications*
Louis Barnes • *Director of Finance*
Peter Beren • *Publisher, Sierra Club Books*
Gene Coan
Senior Advisor to the Executive Director
John DeCock • *Director of Outings*
Sue de la Rosa • *Director of Human Resources*
Deborah Dinkelacker
Director of Membership Marketing and Services
William H. Meadows
Centennial Campaign Director
Debbie Sease • *Legislative Director*
Dave Simon • *Director of Information Systems*



What's The Difference?

For over 30 years, this filter has held the reputation as the finest available for extreme conditions on treks, expeditions

and disaster reliefs as well as everyday adventure traveling.

- Lasts for thousands of gallons—up to 100 times longer than any other brand
- 100% filtration of bacteria and parasites
- No chemicals or iodine
- Swiss quality
- Full lifetime warranty



Katadyn
POCKET FILTER

For a dealer near you, call 1-800-431-2204 or access us on E-Mail@YWUK28A@Prodigy.com or <http://www.outdoorlink.com/katadyn>.

Distributed by RAICHLÉ MOLITOR USA Geneva Road, Brewster, NY 10569

Bestseller

MATERIAL WORLD

A Global Family Portrait

PETER MENZEL

“Striking...it’s like seeing *The Family of Man* in the global village.”

—*San Francisco Chronicle*

In this national bestseller, 16 of the world’s foremost photographers traveled to 30 countries to live with average families, documenting the intimate details of their everyday lives and creating a final portrait of

the family outside their home surrounded by all their possessions. This vivid portrait of humanity at the end of the millennium asks a pivotal question: Can all 5 billion of us have all the things we want?

“This remarkable book vividly presents its own cross section of families today with the energy and intimacy of a work of art for our times... This is a record of striking value. No time traveler could bring back a more valuable souvenir.”

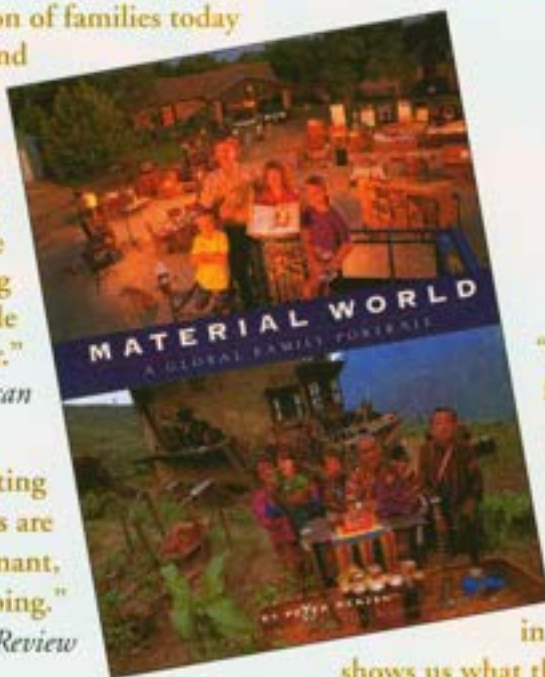
—*Scientific American*

“The resulting photographs are astonishing: poignant, revealing, disturbing.”

—*Bloomsbury Review*

“Material culture, laid bare in this way, is surprisingly intimate—and whets a person’s appetite to see the world.”

—*Atlantic Monthly*



Serialized in:

- Life
- Sierra
- Mother Jones
- American Way
- Harpers
- Islands
- Utne Reader

“A fascinating global family portrait that reveals a commonality of aspirations amid huge disparities of wealth and a world of physical settings... By letting us in on these lives, Menzel

shows us what they all share: the dignity of humanity.”

—*Islands*

“Fascinating—an incredible book.”

—*Oprah Winfrey*

SIERRA CLUB BOOKS

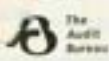
Phone orders (MC & VISA): **1-800-935-1056** (10:00 am to 5:30 pm PST, M-Sat.)

Now in paperback, send \$20.00 plus \$5.00 P&H to: Sierra Club Store, 730 Polk Street, San Francisco, CA 94109.

PIERRE



Legislative Director
Legislative Director
Director of Information Systems



IF WE'RE GOING TO SAVE THE PLANET, WE ALL NEED TO LEND A HAND, PAW, FIN, HOOF, AND WING.

These days, everyone is becoming more environmentally conscious. From recycling at home to driving more fuel-efficient cars, we're all doing our part to clean up the planet. But we still have a long way to go. And together, we can make a big difference in the lives of all creatures, great and small.

At Chrysler Corporation, we're doing our part by recycling. Every year we recycle thousands of tons of wooden pallets, cardboard, and paper. Even our cars are 75 percent recyclable.

Our engineers are also working to reduce emissions and improve air quality. Even though today's gas engines burn cleaner and more efficiently than ever, we're looking at

alternative fuels like methanol-gasoline mixtures, natural gas, and electricity to power our vehicles in the future.

But you don't have to wait for technology to have a "green" machine. Keep your air and fuel filters clean for better mileage, performance, and a cleaner exhaust. Maintain recommended tire pressures to increase fuel efficiency. And combine errands, since short trips use more gas per mile than a long trip.

As you can see, there's a lot we can do. So let's all lend a hand to save our planet. After all, it's the only one we have.



CHRYSLER PLYMOUTH DODGE DODGE TRUCKS JEEP RAM

For more information on Chrysler Corporation and our environmental programs, visit us on the Internet at <http://www.chryslercorp.com>

Phone

Now in paperback, \$6.95

NAMING NAMES

I enjoyed and agreed with Carl Pope's article ("Nature, Red in Tooth and Claw," July/August). As a moderate Republican, I am outraged at the hijacking of the Republican Party by right-wing Social Darwinists who are bound and determined to deliver our government and country to greedy individuals who have justified their actions by that warped philosophy (much like the "manifest destiny" of the last century).

Rick Bloom

Ebensburg, Pennsylvania

Your July/August issue is a treasure trove of pieces pinpointing the threats to our trees, water, coastlines, air, national parks, public safety, indeed to practically every aspect of an improving condition in our country. Where all your authors fall short, though, is in as-

signing the blame for this assault. Carl Pope mentions the 104th Congress, then substitutes "Social Darwinists." Paul Rauber and Scott Alan Lewis also use "the Congress" as a kind of generic term, while citing certain members as culprits. Why don't they just come right out and say "Republicans"? Why is the 104th Congress the villain? Because it is now controlled by Republicans. Who are the individuals bent on picking the public pocket? Republicans. Who are the venal vendors of our national treasures? Republicans. Who wants to return to the days of John D. Rockefeller, Cornelius Vanderbilt, John Jacob Astor, or the rest of the robber barons? Republicans.

Ken Alexander

Lafayette, California

Editor's note: *We refrain from blanket condemnations of the GOP for the simple rea-*

son that not all Republicans are our enemies, nor are all Democrats our friends. While the House leadership attempting to gut 25 years of environmental protection is Republican, so are some of our hardest-working and most loyal allies, such as Representative Sherwood Boehlert (N.Y.) and Senator John Chafee (R.I.). And while in the first hundred days of Congress the average Democrat voted for the environment 69 percent of the time (compared with 7 percent for the average Republican), individual Democratic representatives Jimmy Hayes (La.) and Cal Dooley (Calif.) maintain 0 percent records.

MESSING WITH SMOKEY

If Ted Williams ("Only You Can Postpone Forest Fires," July/August) could take time off from depleting cutthroat trout to read Smokey Bear books and articles, he might discover that, more than anything else, Smokey teaches camping etiquette (no littering) and

THE BEST SEAT IN THE

INTRODUCING CANON IMAGE STABILIZER BINOCULARS.

Start with eye-popping 12x magnification and stay rock steady with Canon's patented Image Stabilizer system. Feel like gazing across your favorite meadow to stare down that unsuspecting

woodpecker? No problem. Even if your hands shake, the image won't. And you can grab a new pair of Canon 12x36 Image Stabilizers at an unbeatable price.



Then take a close look at Canon's entire new line of binoculars. Now you can pick from lightweight, compact or waterproof models that all utilize Canon's professional lens technology.

That means no matter what you choose, you can always depend on a sharp, bright image.

For color brochure write: Canon Binoculars, C.S.B. 3192A, Melville, N.Y. 11747

Canon
BINOCULARS

safety practices. Smokey needs to be updated, not ridiculed.

*Jeanne Tillotson
Sagaponack, New York*

Thank you for the best fire-management article to appear in a popular magazine. A former smoke jumper and national-park ranger, I now work as an employee of a permittee on Okanogan National Forest. Please reassure your readers that all the nasty things Williams said about the bureaucracy are true. In fact, he only scratched the surface.

*Eric Burr
Mazama, Washington*

WATER WORRIES

Your July/August article "Trouble on Tap" brings up some important points about the dangers in tap water, but missed the boat on the seriousness of cryptosporidium and overemphasized coliform bacteria. Cryptosporidium was responsible for 100 deaths and 400,000 illnesses in Milwaukee in 1993,

but Milwaukee did not make the list of 23 contaminated cities. Most drinking water utilities can destroy bacteria with chlorine, but they are not equipped with ceramic filters capable of removing parasites like cryptosporidium.

*Marty Hanka
Sellersburg, Indiana*

"Trouble on Tap" recommends that small water systems consolidate with larger ones nearby. This option sounds good, but in reality is a prescription for disaster. In western Sonoma County [California], our water and sewer problems have been coopted by the city of Santa Rosa and the town of Occidental. Viable small-scale and lower-cost recommendations have been shelved in favor of high-tech, high-expense pipeline projects that would crisscross the landscape and cause further growth.

*Gene Koch
Occidental, California*

Author Scott Alan Lewis replies: *The 23 cities listed were those that reported viola-*

tions to the Environmental Protection Agency, and since cryptosporidium isn't monitored or tested, Milwaukee didn't show up on the list.

But the article by no means ignored crypto: it mentioned the mortalities linked to it in Las Vegas and Milwaukee. I noted that it is present in 80 percent of the surface-water supplies of 66 major systems. Thanks to our political leaders, crypto is not about to be removed from these supplies anytime soon. Under a current agreement with Congress and the courts, the EPA will not implement the Enhanced Surface Water Treatment Rule, which will cover cryptosporidium and disinfection by-products, until 1997 at the earliest. Current efforts in Congress to cut EPA funding and to halt or delay new government regulations could slow this process even more.

Finally, Akron, not Kent, Ohio, should have appeared on the list of cities reporting violations to the EPA. (The Akron water system's address is in Kent.) Manatee County, not Bradenton, Florida, should also have been on the list. (The county system has a Bradenton address.)

HOUSE OR THE FOREST.

Andre Agassi

©1995 Canon U.S.A., Inc.

Canon binoculars use environmentally friendly lead-free glass.

The advertisement features a close-up of Andre Agassi looking through Canon binoculars. He is wearing a black tuxedo jacket, a white shirt, and a black bow tie. The binoculars are black with 'Canon' and 'VACU BRASS' visible on the side. In the top left corner, there is a stylized signature of Andre Agassi and his name. In the bottom right corner, there is a circular logo with a globe and the text 'Canon binoculars use environmentally friendly lead-free glass.' A vertical copyright notice '©1995 Canon U.S.A., Inc.' is on the far right edge.

Order Your Poster Today!

Chrysler Corporation "Lend a Hand" Poster.

See ad in front of magazine.



Poster Size: 31" x 40"

Call
1-800-723-0300

Price: \$11.50 includes shipping.
All Major Credit Cards Accepted.

BON VOYAGEURS?

It seems that our current Congress has the kangaroo (rat) court down to a science ("Stacking the Deck for Extinction," July/August). Here in Minnesota the same formula is applied in an attempt to downgrade the status of our only national park, Voyageurs, where an overeager opponent of public-land preservation, Don Young (R-Alaska), and anti-environmental state and U.S. officials are teaming up and pandering to local "Wise Use" interests. They hold hearings as far from cities as possible, even though the metro-area residents are among the heaviest users of the park, and choose a time without conferring with potential dissenters. How disturbing to hear this is the norm, not the exception.

*Jill Walker
Minneapolis, Minnesota*

LIME-AID

I have just read "Sting of Summer" (July/August). I haven't needed a commercial insect repellent since learning a safe and simple solution in Mexico ten years ago. Just cut a lime, squeeze a bit of the juice into the palms of the hands, and then lightly pat the juice all over any exposed skin and hair. When applied in small amounts it isn't sticky.

*Lorna Fay
Berkeley, California*

CLARIFICATION

In the Financial Report in the September/October issue, a tree chart listed "Contributions SCLDF" as the source of 9.5 percent of Sierra Club funds. The reference was to the more than \$4 million worth of legal services that the Sierra Club Legal Defense Fund donates annually to the Sierra Club. The Sierra Club Legal Defense Fund is not part of the Sierra Club, and contributions to the Sierra Club do not fund the operations of SCLDF.

Sierra welcomes letters from readers in response to recently published articles. Letters may be edited due to limitations of space or in the interests of clarity. Write to us at 730 Polk St., San Francisco, CA 94109; Fax (415) 776-4868; e-mail address: sierra.letters@sierraclub.org.

L.L.Bean®



<http://www.llbean.com>
**Your Best Path to
Outdoor Adventure**

Check out our new home page on the Internet's World Wide Web where you'll find outdoor sporting information, expert advice and proven L.L. Bean products for all your outdoor adventures.

We hope you'll visit often, ask questions and give us your comments about the site. Our lively graphics, photos, and text are changing even faster than Maine weather - and bringing L.L. Bean's 83 years of outdoor expertise right to your home.

Enjoy Great Outdoor Activities and Gear

Expert tips and guidelines on dayhiking, first aid, conservation and how to dress, as well as a selection of our most popular products. Coming soon: Camping, backpacking, cross-country skiing, snowshoeing and gift ideas for the holidays.

Have More Fun Planning Trips

Introducing the L.L. Bean Outdoor Guide, a comprehensive look at almost 800 national parks and forests, state parks and other great outdoor locales. What to see, what to do, when to go.

Learn All About L.L. Bean

Discover the unique Yankee heritage of the company built on a boot, a guarantee and a love of the outdoors.

Please Visit Us Anytime at

<http://www.llbean.co>



Photo: Nancy Bushnell, Flores Sea, Indonesia



THE CHOICE OF ADVENTURERS

Your travel bag can be your most important travel companion. It must faithfully protect your possessions and withstand the abuse of being dragged around the world and repeatedly tossed from baggage handler to

luggage bin. • Eagle Creek's Cargo Luggage is the choice of more adventurous travelers because it functions better and is more durable than ordinary luggage. Each piece is travel tested to be worth its weight in convenience, for just about any kind of travel. And every piece is backed with our Lifetime Guarantee. • Call us at **1-800-874-9925** for your FREE Travel Gear Guide and the location of the dealer nearest you.

CARGO GEAR BAG AND DUFFEL



CORDURA

Eagle Creek, 1740 La Costa Meadows Drive, San Marcos, California, 92069.

OUR LABEL IS YOUR BEST GUARANTEE



SPRING TRIPS

Give yourself something to look forward to in 1996. The Sierra Club offers a variety of outings throughout the winter and spring to warm places and exotic destinations.

Mail in the reservation form between these two pages, fax us at (415) 923-0636, or call us weekdays from 8:30 a.m. to 5 p.m. PST at (415) 923-5588 to reserve your place with a credit card. Detailed brochures are available for each trip listed. Just send us the brochure request coupon or call (415) 923-5630 to order trip descriptions.

Backpack

Superstition Wilderness Trek, Tonto Forest, Arizona. February 18-24. Native American ruins and the Lost Dutchman Gold mine. (Rated M) Leaders: Jack and Suzi Thompson. Price: \$380; Dep: \$50. [96410]

To the Heart of Superstition Wilderness, Tonto Forest, Arizona. March 10-16. The Arizona Trail in full bloom—from the Sonoran Desert to the high haunt of the mountain lion. (Rated M) Leader: Jay Nichols. Price: \$380; Dep: \$50. [96411]

Cumberland Island Backpack, Georgia. March 17-23. Ancient live oaks, shell-strewn beaches, sunsets, birdwatching—all at a Southern pace. (Rating L) Leaders: Glen Phillips and Bob Valentine. Price: \$425; Dep: \$50. [96031]

Southern Utah's Escalante Canyons. March 29-April 6. Join legendary canyoneer Steve Allen

for a strenuous week visiting seldom-seen canyons in the Escalante. (Rated S) Leader: Bert Fingerhut. Price: \$680; Dep: \$100. [96412]

Canyons and Mesas of the Rainbow Plateau, Arizona. March 30-April 5. A rugged 30-mile cross-country loop through the cliffs, domes and mesas of land sacred to the Navajo people. (Rated S) Leader: Terry Gustafson. Price: \$510; Dep: \$100. [96032]

Rainbow Bridge and Navajo Mountain, Arizona. April 21-27. Explore remote Navajo canyons with an eclectic band of renaissance musicians and canyoners. (Rated M) Leader: Richard Fite. Price: \$510; Dep: \$100. [96033]

The Grand Canyon: South Rim to the Colorado River, Arizona. April 28-May 4. Descend to the river on the Bright Angel Trail past rapids and spring flowers. (Rated S) Leader: Jeffrey Black. Price: \$505; Dep: \$100. [96034]

Paria Canyon Wilderness, Utah and Arizona. May 12-18. This photographer's favorite winds through one of the Southwest's most beautiful slot canyons. (Rated L-M) Leader: Glen Hampton. Price: \$595; Dep: \$100. [96035]

Coyote Gulch and Escalante Canyon, Utah. May 19-25. Hike a spectacular "dream landscape" of natural reflecting pools, flowering flora, Anasazi rock art. (Rated M) Leader: Ted Doll. Price: \$630; Dep: \$100. [96036]

Slot Canyons, Paria Wilderness, Utah and Arizona. May 25-31. Follow the canyon past Buckskin Gulch, Cobra Arch, petroglyphs, cliffs and abundant wildflowers. (Rated L-M) Leader: Jack Zinker. Price: \$595; Dep: \$100. [96037]

Women's Backpack, Paria Canyon, Arizona. June 2-8. Walk and wade through multi-colored alcoves, side canyons, arches and amphitheatres carved by the Paria. Leader: Lacey Anderson. Price: \$590; Dep: \$100. [96038]

Base Camp & Highlight

A New Year on St. John, U.S. Virgin Islands. December 27, 1995-January 2, 1996. Greet the new year on a tropical island, hiking, swimming, and snorkeling in the warm Caribbean sun. Leader: Kendal Tipper. Price: \$730; Dep: \$100. [96420]

America's Tropical Paradise, U.S. Virgin Islands. February 25-March 2. An opportunity to explore forests, ruins, white sand beaches and swim with tropical fish and sea turtles. Leader: Marjorie Richman. Price: \$730; Dep: \$100. [96421]

Canyons and Peaks of Death Valley, California. March 3-9. Warm your bones and start conditioning your muscles on these dayhikes of the beaten track. Leader: Rose Certini. Price: \$370; Dep: \$50. [96422]

Desert Spring in Anza-Borrego Park, California. March 16-23. Join a naturalist and energetic walkers on moderate hikes through a beautiful, varied terrain. Leaders: Modesto and Diana Piazza. Price: \$395; Dep: \$50. [96423]

Appalachian Wildflowers and Waterfalls, North Carolina. May 5-11. Enjoy dayhiking among streams, waterfalls, and spring wildflowers at Linville Gorge and Grandfather Mountain. Leader: Gale Hill. Price: \$460; Dep: \$50. [96050]

Trails and Trillium, Great Smoky Mountains Park, Tennessee. May 12-18. Appalachian Spring returns with vigorous dayhikes through a stunning display of flora. Leader: Ray Abercrombie. Price: \$435; Dep: \$50. [96051]

Pinnacles and Prairie, Badlands Park, South Dakota. May 19-24. Coyotes, birdsong, and wind-eroded peaks in this land of outstanding sunsets and rainbows. Leaders: Joan and John Molenaar. Price: \$435; Dep: \$50. [96052]

Canoe & Raft

Canoeing Everglades Park, Florida. February 11-16. A leisurely trip through the southern tip of the park for competent canoeists who enjoy birding, animal watching and photography. Leaders: Otto and Vivian Spielbichler. Price: \$310; Dep: \$50. [96060]

Canoeing Okefenokee Swamp, Georgia. March 24-29. From base camps on the east and west edges of this great swamp, we'll explore the coastal prairies and cypress forest home of birds, mammals, reptiles, and Pogo. Leaders: Otto and Vivian Spielbichler. Price: \$380; Dep: \$50. [96061]

Grand Canyon by Oar and Paddle, Arizona. May 19-31. An exhilarating whitewater experience and exploration of seldom-seen side canyon ecology and geology. Leader: Paul Middleton. Price: \$2,260; Dep: \$200. [96062]

Important Information on Sierra Club Outings

Ways to Apply

1. Mail check, money order, or credit card information to:
Sierra Club Outing Dept.
Dept. #05618
San Francisco, CA 94139
** Do not send Express Mail applications to this address. Doing so will delay your application.*
2. FAX (credit card reservations only):
415-923-0636
3. Call (credit card reservations only):
415-923-5588
4. Express Mail or Federal Express (check, money order, or credit card):
Sierra Club Outing Dept.
730 Polk Street
San Francisco, CA 94109

- All reservations are subject to the Reservation and Cancellation Policy of the Outing Committee; leader approval is required for all outings. Cancellation fees apply unless you are waitlisted at time of cancellation.
- A signed liability release is required for all international trip participants.
- All participants age 12 and over must be Sierra Club members to attend an outing.
- Your address may be released to other trip participants for ride-sharing or other trip-related purposes.
- Not all trips can accommodate special dietary needs or preferences. Contact the leader of your trip for this information before applying.
- Applications for trip space will be accepted in the order they are received.
- Questions? Call (415) 923-5630.

Important Information on Sierra Club Outings

Ways to Apply

1. Mail check, money order, or credit card information to:
Sierra Club Outing Dept.
Dept. #05618
San Francisco, CA 94139
** Do not send Express Mail applications to this address. Doing so will delay your application.*
2. FAX (credit card reservations only):
415-923-0636
3. Call (credit card reservations only):
415-923-5588
4. Express Mail or Federal Express (check, money order, or credit card):
Sierra Club Outing Dept.
730 Polk Street
San Francisco, CA 94109

- All reservations are subject to the Reservation and Cancellation Policy of the Outing Committee; leader approval is required for all outings. Cancellation fees apply unless you are waitlisted at time of cancellation.
- A signed liability release is required for all international trip participants.
- All participants age 12 and over must be Sierra Club members to attend an outing.
- Your address may be released to other trip participants for ride-sharing or other trip-related purposes.
- Not all trips can accommodate special dietary needs or preferences. Contact the leader of your trip for this information before applying.
- Applications for trip space will be accepted in the order they are received.
- Questions? Call (415) 923-5630.

Outing Reservation Form

Please read important policy information on reverse side.

MEMBERSHIP NUMBER		TRIP NUMBER	TRIP NAME		DEPARTURE DATE		
YOUR NAME			HAVE YOU RECEIVED THE DETAILED TRIP BROCHURE? <input type="checkbox"/> YES <input type="checkbox"/> NO				
STREET ADDRESS			YOUR HOME PHONE ()				
CITY		STATE	ZIP	YOUR WORK PHONE ()			
PLEASE PRINT YOUR NAME AND THE NAMES OF OTHER PEOPLE IN YOUR PARTY			MEMBERSHIP NUMBER	AGE	RELATIONSHIP SELF	NUMBER OF OUTINGS YOU'VE BEEN ON CHAPTER NATIONAL	YEAR OF LAST NATIONAL OUTING
1							
2							
3							
4							
PER PERSON COST OF OUTING		TOTAL COST OF THIS APPLICATION		DEPOSIT ENCLOSED		FOR OFFICE USE ONLY	

FULL AMOUNT OF TRIP FEE IS DUE IF RESERVATION IS MADE LESS THAN 90 DAYS PRIOR TO TRIP DEPARTURE.

- Check
 Money Order
 VISA
 MasterCard

CARDHOLDER NAME	SIGNATURE
CARD NUMBER	EXPIRATION DATE

Please make check payable to Sierra Club and mail to: Sierra Club Outing Department, Dept. #05618, San Francisco, CA 94139 #5

Outing Reservation Form

Please read important policy information on reverse side.

MEMBERSHIP NUMBER		TRIP NUMBER	TRIP NAME		DEPARTURE DATE		
YOUR NAME			HAVE YOU RECEIVED THE DETAILED TRIP BROCHURE? <input type="checkbox"/> YES <input type="checkbox"/> NO				
STREET ADDRESS			YOUR HOME PHONE ()				
CITY		STATE	ZIP	YOUR WORK PHONE ()			
PLEASE PRINT YOUR NAME AND THE NAMES OF OTHER PEOPLE IN YOUR PARTY			MEMBERSHIP NUMBER	AGE	RELATIONSHIP SELF	NUMBER OF OUTINGS YOU'VE BEEN ON CHAPTER NATIONAL	YEAR OF LAST NATIONAL OUTING
1							
2							
3							
4							
PER PERSON COST OF OUTING		TOTAL COST OF THIS APPLICATION		DEPOSIT ENCLOSED		FOR OFFICE USE ONLY	

FULL AMOUNT OF TRIP FEE IS DUE IF RESERVATION IS MADE LESS THAN 90 DAYS PRIOR TO TRIP DEPARTURE.

- Check
 Money Order
 VISA
 MasterCard

CARDHOLDER NAME	SIGNATURE
CARD NUMBER	EXPIRATION DATE

Please make check payable to Sierra Club and mail to: Sierra Club Outing Department, Dept. #05618, San Francisco, CA 94139 #5

TEAR HERE AND MAIL

For More Details on Outings

Use this coupon to order detailed trip brochures. Or you can call us at (415)923-5630, fax us at (415)923-0636, or send an e-mail request to **national.outings@sierraclub.org**. All brochures will be sent via U.S. mail. Do not mail cash. Checks should be made payable to **Sierra Club**.

Mail this coupon to:
Sierra Club Outing Department
730 Polk Street
San Francisco, CA 94109.

Name _____

Address _____

City _____ State _____ Zip _____

Member number _____

Please send me the following trip brochures:

(Order by trip number. The first five are free; extras cost 50 cents each.)

_____ # _____ # _____ # _____ # _____

TOTAL ENCLOSED: \$ _____

Check out our new World Wide Web site at <http://www.sierraclub.org/outings>

#5

WAYS TO APPLY



1. MAIL CHECK, MONEY ORDER, OR CREDIT CARD INFORMATION TO:

Sierra Club Outing Dept.

Dept. #05618

San Francisco, CA 94139

**Do not send Express Mail Applications to this address. Doing so will delay your application.*



2. FAX (credit card reservations only): **415-923-0636**



3. CALL (credit card reservations only): **415-923-5588**

We're open weekdays from 8:30 am to 5pm (PST).

Please have trip number and credit card information ready when you call.

4. EXPRESS MAIL OR FEDERAL EXPRESS (check, money order, or credit card) to:

Sierra Club Outing Dept.

730 Polk Street, San Francisco, CA 94109

WOULD A FRIEND ENJOY OUR CATALOG?

Name _____

Address _____

City _____

State _____ Zip _____

WOULD A FRIEND ENJOY OUR CATALOG?

Name _____

Address _____

City _____

State _____ Zip _____

Cataract Canyon Raft and Mountain Bike Adventure, Canyonlands National Park, Utah, May 25-31.

Ride the White Rim Trail for spectacular and remote vistas, then run the Colorado River's Cataract Canyon. Leader: Marie Cecchini. Price: \$1,110; Dep: \$200. [96063]

Westwater and Cataract Canyons Rafting and Hiking Trip, Canyonlands National Park, Utah, May 25-31. Encounter over 30 major rapids at high water on this 150-mile float through the Colorado's canyonlands. Leader: Blaine LeCheminant. Price: \$1,105; Dep: \$200. [96064]

Family

Havasupai Indian Reservation, Grand Canyon, Arizona, March 31-April 4. This pack horse-supported base camp trip features dayhiking, swimming holes, and a visit to the Indian village of Supai. Leader: Jim Murphy. Price: adult \$605, child \$405; Dep: adult \$100, child \$50. [96070]

Arches and Canyonlands Parks Family Adventure, Utah, April 7-13. Easy dayhikes to the arches, Fiery Furnace, and other natural wonders are perfect outdoor experiences for parents and kids. Leaders: July Green. Price: adult \$425, child \$285; Dep: adult \$50, child \$50. [96071]

Hawaii

Maul's Humpback Whales Service Trip, Hawaii, March 24-April 2. Assist on a long-term study of humpback whales and enjoy the beaches and mountains of Maui. Leaders: Jennifer and Ron Taddei. Price: \$1,035; Dep: \$200. [96430]

Molokai and Maui Family Adventure, Hawaii, March 29-April 6. Explore rugged coasts, idyllic sand beaches, and a lofty volcanic caldera. Leaders: Bob and Susie Smith. Price: adult \$1,170, child \$780; Dep: adult \$200, child \$100. [96431]

The John Muir Society's 3rd Annual Outing, Hidden Hawaii: The Best of Lanai and Maui, Hawaii, June 8-16. See page 21 for more details. Leaders: Lynne and Ray Simpson. Price: \$3,895; Dep: \$200. [96100]

International

Guatemala: The Mayan Road, February 18-March 1. Travel the Mayan Road from the colonial city of Antigua to volcano-rimmed Lake

Atitlan. Leader: Wilbur Mills. Price: \$1,785 (8-10)/\$2,015 (7 or fewer); Dep: \$200. [96502]

Belize: Reef and Ruins, February 19-29. Explore Belize's lush interior and the Mayan ruins of Tikal in nearby Guatemala. Leader: Lola Nelson-Mills. Price: \$2,440 (10-12)/\$2,770 (9 or fewer); Dep: \$200. [96504]

Springtime in the Annapurnas, Nepal, March 4-20. A moderate trek during the peak of rhododendron season with ample time to meet the people and culture of Nepal. Leader: John Bird. Price: \$1,845 (12-15)/\$1,880 (11 or fewer); Dep: \$200. [96500]

England's Coast-to-Coast Walk: From the Irish Sea to the North Sea, May 5-18. Join a walk across the breadth of England through three of the country's most beautiful national parks. Leader: Lou Wilkinson. Price: \$2,770 (11-14)/\$3,075 (10 or fewer); Dep: \$200. [96505]

Dolpo Trek in Western Nepal, May 6-June 8. Travel through the legendary "Hidden Land," closed to outsiders for many years. Leader: Cheryl Perkins. Price: \$3,085 (10-12)/\$3,410 (9 or fewer); Dep: \$200. [96510]

England's Coast-to-Coast Walk: From the Irish Sea to the North Sea, May 19-June 1. See description above for trip 96505. Leader: John Bird. Price: \$2,770 (11-14)/\$3,075 (10 or fewer); Dep: \$200. [96508]

Service

El Yunque, Caribbean National Forest, Puerto Rico, March 12-21. Prepare trail guides, perform photographic surveys and spend several free days in Old San Juan. Leader: Sarah Stout. Price: \$540; Dep: \$100. [96440]

Indian Cave Trailbuilding, Buffalo National River, Arkansas, April 14-20. Rebuild trail and learn the history of a site studied by archaeologists in the '30s. Leader: Bill Sheppard. Price: \$260; Dep: \$50. [96080]

Reclaiming the Rosillos, Big Bend National Park, Texas, April 14-20. Absorb the springtime beauty of the Chihuahuan desert while removing fences in this recent addition to the park. Leaders: Mitch and Mae Lopez. Price: \$265; Dep: \$50. [96081]

Reclaiming the Rosillos, Big Bend National Park, Texas, April 21-27. See description for trip 96081 above.

Leader: Al Vacciano. Price: \$265; Dep: \$50. [96082]

Shawnee Forest Backcountry Archaeology, Illinois, April 21-27. Survey, map, and photograph a prehistoric Indian stone fort during the height of wildflower season. Leader: Jim Balsitis. Price: \$265; Dep: \$50. [96083]

Redrock Archaeology, Coconino National Forest, Arizona, April 21-27. Document, conserve and preserve petroglyphs in the redrock canyon country near Sedona. Leader: Jerry Meyer. Price: \$260; Dep: \$50. [96084]

Redrock Trails, Secret Canyon Wilderness, Arizona, April 21-27. Improve trails, dayhike and photograph amid the beauty of canyons, redrock formations and forested mountains. Leader: Pam Meyer. Price: \$255; Dep: \$50. [96085]

Springtime at Arches, Arches National Park, Utah, April 21-27. Trail work mixed with famously good chuck wagon cooking and campfire camaraderie. Leader: Linda Thibodeaux. Price: \$255; Dep: \$50. [96086]

Historic Indian Trail Restoration, Nantahala Forest, North Carolina, April 27-May 4. Spring cleaning on a trail that once connected Charleston with the historic capital of the Cherokee Nation. Leaders: Otto and Vivian Spielbichler. Price: \$280; Dep: \$50. [96087]

Dwellers of the Rainbow, Capitol Reef National Park, Utah, April 28-May 4. This trip combines a millennium of human history with archaeology and trail maintenance. Leader: Susan Estes. Price: \$245; Dep: \$50. [96088]

Slickrock and Joyce Kilmer Trail Maintenance, North Carolina, May 4-11. Sweeping Appalachian views, virgin forest, and plentiful spring fountains grace this trail improvement trip. Leader: Mike Verange. Price: \$255; Dep: \$50. [96089]

Chaco Canyon I, Chaco Culture Historical Park, New Mexico, May 5-11. Build trails and fences to help the Park Service preserve this archaeological wonder. Leader: Barbara Gooch. Price: \$255; Dep: \$50. [96090]

South Rim, Grand Canyon, Arizona, May 12-18. Enjoy the South Rim in the springtime and lend a hand on Park Service work projects. Leader: Barbara Gooch. Price: \$255; Dep: \$50. [96091]

Archaeology of the Gallina Culture, Santa Fe National Forest, New Mexico, May 12-18. Build trails to archaeological sites in the canyon country and piñon forests of northern New Mexico. Leaders: Pam and Jerry Meyer. Price: \$285; Dep: \$50. [96092]

Tusayan Trails, Arizona, May 26-June 1. Help ready the Arizona Trail for summer visitors, with time off to hike and photograph the historic Hull's Cabin area. Leaders: Linda Takala and Paul Hoornike. Price: \$255; Dep: \$50. [96093]

Ski, Snowshoe

Ski the Continental Divide, Colorado, January 21-27. Ski Montezuma Basin, Shrine Pass, and Tennessee Pass and explore historic Leadville. Leader: Beverly Full. Price: \$995; Dep: \$100. [96450]

High Sierra Skiing I, California, January 28-February 2. Enjoy Nordic ski lessons and tours while staying at the Sierra Club's Clair Tappaan Lodge. Leader: Marjorie Richman. Price: \$475; Dep: \$50. [96451]

Under the Snow Moon Ski, Superior National Forest, Minnesota, February 4-9. Glide over the northwoods' deep wolf-tracked snow and hear the winter-silenced lakes of the Boundary Waters. Leader: Sarah Reinke. Price: \$740; Dep: \$100. [96452]

High Sierra Skiing II, California, February 25-March 1. A second section of trip 96451 above. Leader: Mary Jane McKown. Price: \$475; Dep: \$50. [96453]

Snowshoe and Photograph the Sierra, California, March 10-15. Enchanting wintry scenes, along with good food and the hot tub at Clair Tappaan Lodge. Leader: Herb Holden. Price: \$465; Dep: \$50. [96454]

Spring Cross-Country Skiing in the Sierra, California, April 14-19. Telemark, Nordic downhill, or back-country ski from Clair Tappaan, home of the Sierra Nevada's deepest snowfall. Leader: Bill Davies. Price: \$475; Dep: \$50. [96455]

Look for a complete listing of our 1996 trips in the January/February issue of *Sierra*.

Carl Pope

Lawless Logging

In 1992, candidate Bill Clinton vowed to manage America's national forests in accordance with science and federal law. The promise was as sound politically as it was ecologically: Clinton carried California, Washington, Oregon, and Colorado, whose forests were routinely plundered during the Reagan-Bush era. This June, President Clinton appeared ready to match word to deed. The Republican-dominated 104th Congress had sent him a "rescissions" bill, which proposed cutting \$16.4 billion from the current federal budget. Attached to it was an unrelated provision or "rider" that would suspend environmental laws in order to give the timber industry free rein in the national forests. When the bill hit the President's desk, he exercised the first veto of his 30-month-old term, specifically labeling the logging rider "very bad."

The nation's press praised the move. *The New York Times* said that the "provision sought by logging interests to allow indiscriminate timber cutting on federal lands would have been sufficient reason to say no" to the bill. The *Seattle Post-Intelligencer* editorialized, "President Clinton has done the right thing in vetoing a bill that left too much leeway for cheating in salvage-timber sales in the Northwest." Environmentalists cheered the veto as a sign of the President's vision, integrity, and respect for environmental law.

Then, only weeks later—on July 27, 1995—Clinton threw it all away and leapt off a political cliff, signing a revised version of the bill with its attack on forests and law intact. Clinton claimed that new language in the bill had given his administration more control over timber sales. In fact, it had only shortened the period of lawless logging by nine months. At the time of

his original veto, Clinton declared that "suspending all the environmental laws of the country for three years is not the appropriate way" to log the nation's forests. Somehow suspending all the environmental laws for two years was acceptable.

In signing what critics had come to call "logging without laws," President Clinton betrayed his own principles, as stated first on the campaign trail and more recently during the veto ceremony in the Oval Office. He betrayed the forests, exempting them from federal laws like the Endangered Species and Clean Water acts that give them at least a fighting chance at ecological health. He betrayed the American people, who own the forests he

*It's our choice:
vision and law,
or stumps and promises.*

had promised to safeguard. And he betrayed the environmental community, which had trusted him to do the right thing.

Supporters of logging without laws disingenuously claimed that it was about "salvage" logging, and was intended only to remove dead trees that were creating fire hazards. The bill defines "salvage," however, as removing "dead, dying, diseased, or associated trees"—that is to say, whatever trees the timber companies want. It directs the Forest Service to greatly increase the level of salvage logging, regardless of the cost to U.S. taxpayers. And its loopholes are big enough to drive a logging truck through. Industry is already in court arguing that the bill allows it to cut 500 million board-feet of "green"

(i.e., healthy) timber, while Senate Republicans insist that the bill releases 600 million to 1 billion board-feet of healthy timber for "salvage."

The only way to cut that much timber that fast is to ignore both science and the law. As the President himself put it the first time around, the bill "essentially throw[s] out all of our environmental laws and the protections that we have" governing timber sales in national forests, including citizens' right to challenge illegal sales.

We retain our heritage of wild places in this country for only two reasons: vision and law. Beginning with the establishment of Yellowstone National Park in 1872, far-seeing Americans have fought to preserve parks and wilderness; political leaders like Theodore Roosevelt, Harold Ickes, Sr., Rogers Morton, and Jimmy Carter have joined private citizens like John Muir, Marjory Stoneman Douglas, David Brower, Howard Zahniser, and Aldo Leopold in mobilizing Americans to the cause of wilds and wildlife.

Law was the bulwark of this vision. From the beginning, U.S. conservationists understood that neither politicians nor bureaucrats could be reliable stewards. Political expediency has a way of tempting government officials to betray the public trust, to squander the legacy of future generations for the needs of the moment. Only citizens, acting through the courts, can be counted on to stand firm in defense of what they hold dear. Wild places still exist only because they are wild by law. Had it been left to bureaucrats and politicians, our remaining old-growth forests would long since have been ground into pulpwood.

Since logging without laws runs counter to both ecological reason and financial sense, political expediency is the only explanation.

flop. The President evidently calculated that the risks of failing to pass the Republicans' spending bill were greater than those of failing the forests. He is now learning how wrong he was.

The first lesson comes from the timber companies and those in the Forest Service allied with them, who now have a pretext for completing the liquidation of our native forests. Close behind is the hostile Congress, which is disregarding Clinton's threats to veto other anti-environmental bills. (According to the *Washington Post's* Ann Devroy, Clinton's acceptance of the bill "seems to show the White House will only go so far in protecting environmental legislation the GOP wants to change.") But Clinton must also get the message from the environmentalists who helped elect him in 1992 and whose support he will desperately need in 1996.

How should the Sierra Club proceed? First, we must contest the idea that Congress can arbitrarily quash the checks and balances of our system of government. (The Club and the Sierra Club Legal Defense Fund have already challenged the power of Congress to suspend U.S. laws under the North American Free Trade Agreement.) Second, we must pressure the administration to put old-growth forests and other ecologically critical woods off-limits. (Salvage logging is now permitted in these areas, but only with the administration's explicit authorization. One month after signing the rescissions bill, Clinton did set aside 2 million acres of roadless areas in Montana, blocking the preparation of salvage sales there.)

Finally, we must make our outrage heard—and felt. Whether or not Clinton can redeem himself, it's imperative that we teach him, or whoever his successor may be, that we have learned the lesson of history: we need vision—and law—to protect our wilderness, both from timber companies and from politicians. ■

CARL POPE is the executive director of the Forest Stewardship Council. He can be reached by e-mail at carl@sierraclub.org.
Antigua to volcano@sierraclub.org



1918 Bausch & Lomb Binoculars
Given to Grandpa Joe by Great Grandpa Sam.



1956 Bausch & Lomb Binoculars
Given to Dad by Grandpa Joe.



1995 Bausch & Lomb
Legacy® Binoculars
Given to you by Dad.

After 100 years our vision is still improving.

A century ago we set the standard in precision lenses. We also set a goal to constantly improve and to remain on the leading edge of optical technology. Today's Bausch & Lomb® binoculars combine the highest optical performance with contemporary design and function.

Multi-coated optics and BAK-4 prisms give Legacy® binoculars bright, clear images. Rubber armoring on our standard, wide-angle and compact models provides extra comfort and durability. Call (800) 423-3537 for the dealer nearest you. And see what 100 years of hard work looks like.

BAUSCH & LOMB

Bausch & Lomb is a registered trademark of Bausch & Lomb Incorporated and used under license of Bausch & Lomb Incorporated.

Paul Rauber

Vegetable Hate Crimes

If you don't have anything good to say about fruits and vegetables, friends, you had better not say anything at all, or else the produce industry will sue you for every penny you're worth. If this sounds like a joke, you must not come from any of the 11 states that have passed "food disparagement" laws, which make it a crime to criticize agricultural products without a "sound scientific basis." Vegetable-libel laws are exceedingly vague on what constitutes sound science, however; their intent is that you'll decide to play it safe and keep your mouth shut.

As the American food supply becomes increasingly processed and engineered, popular anxiety about its safety is mounting. A recent poll by the advertising firm of Young & Rubicam, for example, found that four out of five Americans are "very concerned about food safety." At the same time, industry attempts to introduce irradiated or genetically engineered foods have been hugely unpopular, to the extent that such foods can only make their way onto the market if unlabeled. While the Food and Drug Administration has approved many of these products (like milk from cows treated with Monsanto's recombinant bovine growth hormone, or Calgene's genetically altered tomato), environmental- and food-safety organizations persist in raising nagging doubts. The food industry has concluded that the only way to win public acceptance is to force its critics to shut up.

The result is that in many states it is now easier to defame a tomato than a human.



Unlike traditional libel, veggic-slander doesn't necessarily have to be motivated by malice, or even be false. In the bill currently under consideration in Illinois, for example, you could be sued for any statement that "tends to lower the agricultural producer or product in the estimation of the community."

Isn't it, well, *unconstitutional* to restrict what people can talk about? Of course. But when the Georgia branch of the American Civil Liberties Union tried to get a state court of appeals ruling to that effect, it was told that it would have to wait until some poor soul got sued under the statute. That may take some time. David Bederman, acting for the Georgia ACLU on behalf of two grassroots food-safety groups, claims that those pushing these laws are in no hurry to put vegetable hate crimes to the test. "The Farm Bureau wants these laws on the books to intimidate people," he says, "especially small grassroots organizations."

The guardians of vegetal virtue claim their laws are aimed not at individuals or small fry, but at large environmental groups

*Watch your mouth:
dis a cabbage,
go to jail.*

like the Natural Resources Defense Council. It was, after all, the NRDC's 1989 report on Alar, a spray widely used to delay the ripening of apples, that sparked the current attempts to squash the First Amendment.

Alar is the nightmare from which the food industry cannot awake. Following the NRDC report and a subsequent segment on CBS's *60 Minutes*, millions of consumers rejected apples and apple products tainted with the carcinogenic spray. Washington apple growers, who had stubbornly resisted previous attempts to ban Alar, suddenly began begging its manufacturer, Uniroyal, to take it off the market. Rather than eat its losses, however, the apple industry sought revenge, suing NRDC and CBS for \$200 million for (among other things) product disparagement. While NRDC was dropped from the case early on, and a federal district court ruled in favor of CBS, the growers appealed to the Ninth Circuit, where a final ruling is pending.

Sadly, the lesson the food industry drew from the affair was not that the public didn't want to risk cancer for the sake of a useless food additive, but that the media and environmental groups, in publicizing the (admittedly small) risks, were disseminating "junk science"—a view that has now attained the status of conventional wisdom. "When faced with potentially damaging news about pesticide residues," reports the *Los Angeles Times*, "the food industry's rallying cry has been 'Remember Alar.'"

Actually, even after the brouhaha, a scientific peer review by the Environmental Protection Agency concluded—as had two committees previously—that Alar was a probable human carcinogen. The apple growers, however, don't even presume the EPA to have a "sound scientific basis." Even quoting an official government study, in their view, is product disparagement.

In their view, it isn't "junk science" that corporations use to scare the food industry, but any science that questions the safety of their product. "One of the goals of the whole [Alar revisionism] campaign was to intimidate," says Al Meyerhoff,

a senior attorney with NRDC. "These food disparagement bills being enacted in different parts of the country are unconstitutional on their face—but that doesn't mean they won't have a chilling effect."

First you start tinkering with tomato genes, and the next thing you know you're tinkering with the First Amendment. No food process is worth it if it comes at the cost of free speech.

► *Residents of states that already have food disparagement laws on the books (Alabama, Arizona, Colorado, Florida, Georgia, Idaho, Louisiana, Mississippi, Oklahoma, South Dakota, and Texas) or in the works (California, Delaware, Illinois, Iowa, Minnesota, Ohio, Oregon, Pennsylvania, South Carolina, and Washington) should give their state legislators a piece of their minds. Your national representatives need to hear from you too, since the food industry is trying to get anti-disparagement provisions included in the 1995 Farm Bill. (For addresses, see page 67.)*

To learn more about food safety, contact the Pure Food Campaign, 1660 L St., N.W., Suite 216, Washington, D.C. 20036; (800) 253-0681; e-mail: purefood@aol.com.

Another invaluable resource is the Environmental Working Group, 1718 Connecticut Ave., N.W., Suite 600, Washington, D.C. 20009; (202) 667-6982; e-mail: ewg@igc.apc.org. See especially their reports Pesticides in Baby Food (\$13), Pesticide PACs: Campaign Contributions and Pesticide Policy (\$13), and Forbidden Fruit: Illegal Pesticides in the U.S. Food Supply (\$23). Many of EWG's publications are available free on the World Wide Web at <http://www.ewg.org>.

GREEN PLATE SPECIAL

ALAR-FREE APPLESAUCE

More satisfaction for your trouble, perhaps, than anything else you can cook.

Peel, core, and slice some apples.

Place in a saucepan with a small amount of water. Cook for three minutes or until soft. Mash. Add lemon juice or cinnamon to taste.

When your guests ask for the recipe, smile mysteriously. ■



THE SIERRA CLUB'S 3RD ANNUAL JOHN MUIR SOCIETY OUTING

HIDDEN HAWAII The Best of Lanai and Maui JUNE 8-16, 1996

Don't miss this extraordinary opportunity to see Hawaii's irreplaceable beauty from the local perspective. Longtime leaders Lynne and Ray Simpson—joined at times by naturalists, cultural experts, conservationists and Sierra Club Executive Director Carl Pope—will focus on the undersea and island habitats of Lanai and Maui.

The trip begins on Lanai with a look at idyllic, unspoiled Hawaii. We'll explore the ocean environment by boat, studying dolphins and sea turtles in their chosen habitat and visiting Moloiki's remote north coast. From the exceptional comfort of the Lodge at Koele we'll have time to walk along the forested Munro Trail, stroll Shipwreck Beach, or snorkel the pristine waters of Manele Bay.

Crossing to Maui, we'll hike the rainforests and vast crater of the dormant volcano Haleakala and meet with national park officials. Moving down the lush and jagged Hana coast, we'll settle into the gracious hospitality of Hana Ranch and enjoy the nearby reefs and giant bamboo forest, where daylight barely reaches the forest floor.

Price: \$3,895. Deposit \$200. [96100]

For more information or to make a reservation, call the Sierra Club Outing Department at (415) 923-5630.

PHOTO BY JOHN HENDERSON

John Byrne Barry

Is Grass Really Greener?

Hemp, also known as *Cannabis sativa*, marijuana, grass, and by many other names, has not been a legal commercial crop in the United States for almost 60 years (except for a brief exemption during World War II). As common two centuries ago as cotton is today, by the late 1980s industrial hemp was being cultivated in only a few countries, such as China and the dis-

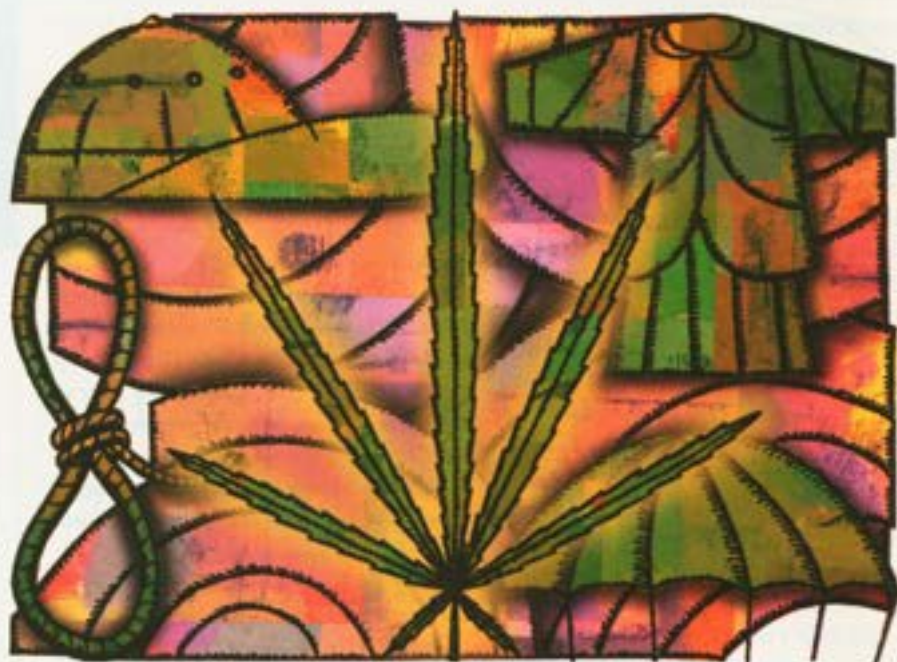
integrating Soviet Union and its satellites. But in the past few years, hemp has been cleverly reincarnated as a hardworking, environmentally sound renewable resource. Hundreds of entrepreneurs—many referring to themselves as “hempsters”—are doing a brisk business selling shirts, jeans, sneakers, baseball caps, neckties, and lingerie made from imported hemp. Lately even big companies like Ralph Lauren, Calvin Klein, and Disney have begun testing the waters, introducing a few hempen goods in their new lines. (Disney sells Indiana Jones hats made of hemp, for instance.) Sales of hemp products in the United States—mostly clothing, but also paper, backpacks, candles, and foodstuffs like hemp cheese—have jumped from less than \$1 million five years ago to an estimated \$25 million in 1994.

And hemp is not just this season's fashion fad, if you listen to proponents' wildly enthusiastic assertions. Hemp, they claim, could reduce both deforestation and gasoline consumption by half. It can be grown without pesticides or herbicides, unlike

chemically dependent, water-hungry cotton. Hemp, says Marilyn Craig of the Business Alliance for Commerce in Hemp in Buffalo, New York, “is literally capable of saving the planet.”

Behind the hype is a long history. Hemp fiber has been used over the centuries in rope, sails, paper, cloth, and a range of other products, from oil to birdseed. It was a major cash crop until the last century, when little by little it lost its market share to less expensive materials, primarily because of the labor-intensive process of “breaking” the fiber from the rest of the plant.

By the time an efficient breaking machine was introduced in the 1930s, hemp had become just a bit player in the economy—and the anti-marijuana hysteria then in full flame kept it that way. The Marijuana Tax Act of 1937 criminalized hemp farming, even though industrial hemp generally has less than .03 percent THC, the psychoactive component of marijuana (compared with the 3 to 11 percent in plants cultivated for getting high). Except for its recruitment into wartime duty, industrial hemp disap-



*Where there's
smoke,
there's fiber.*



Be ready

People who use PowerBar® energy

bars seem to have a way of reaching down
and responding to a challenge.

Nothing gives your body the
energy it needs to reach and sustain
optimum performance like a low-fat,
highly nutritious PowerBar.

So be sure you don't run out of PowerBars.

Because you can be sure you
won't run out of challenges.

*Hans Florine, facing
"Rodeo" 12A, Ciampi, France.*

PowerBar
ENERGY SNACK FOOD

If planning
for the
future means
planning for
the weekend,
it's time to shift gears.



What with the job, the family, the friends, maybe even some weekend fun—it's tough to find time to sit down and really plan for tomorrow. That's why we'd like you to have a free copy of "The Dreyfus Guide to Investing". In minutes, you'll find step-by-step instructions for building an investment program. And you'll learn how different kinds of mutual funds might be used to help you get where you want to go down the road.

Through the Dreyfus Step Program, you can get started with just \$100 a month. And, if you're concerned about investing for everyone's future, consider the Dreyfus Third Century Fund, which targets socially responsible companies.

Our Representatives are on call 24 hours a day to help, too. So shift gears just for a moment—and request your free "Dreyfus Guide to Investing".

Yes, I see Dreyfus in my future.

- Please send me a FREE Dreyfus Guide to Investing.
 Please send me a Prospectus on the Dreyfus Third Century Fund.

Mail to: Dreyfus Service Corporation
P.O. Box 3498, Camden, NJ 08101-9990

Name _____

Address _____

City _____ State _____ Zip _____

Daytime Phone () _____
Evening Phone () _____

©1993, Dreyfus Service Corporation, Broker-Dealer, Premier Mutual Fund Services, Distributor.

4317



You can also obtain a Prospectus on any Dreyfus Fund, with more complete information, including charges and expenses. Read it carefully before investing.

Call 1-800-443-9793
ext. 4317.

Or mail the coupon.

Mutual fund shares are
not FDIC-insured.

Dreyfus
silver.

peared for 50 years, until the hemp revival got under way in the late 1980s.

Some of the hempsters' claims, like the oft-repeated one that hemp was used for more than three-quarters of all paper until 1883, are simply groundless. Others are extravagant projections based on sources like a 1938 *Popular Mechanics* article stating that hemp could be used to make 25,000 products—everything from cellophane to dynamite—and a 1916 U.S. Department of Agriculture bulletin, which calculated that, over 20 years, one acre of hemp would yield as much pulp for paper as 4.1 acres of trees. There have been no more-recent studies to either confirm or discredit these reports.

Though overhyped, hemp certainly has the potential to be an environmental boon. Hemp grows just about anywhere; it is a tough and prolific plant with deep, erosion-controlling roots. It needs nitrogen, but little else, and could indeed be grown with virtually no pesticides or herbicides (though in practice this is seldom done).

"The question is," says David Morris, founder of the Minneapolis-based Institute for Local Self-Reliance, "will hemp be a niche crop or another soybean?" That will be determined, he says, not by the environmental benefits, but by price, which would undoubtedly be lower if hemp could be grown domestically.

"What if," asks Morris, "we have one more iteration of exponential growth and hemp becomes a \$200 million business? Then it will get increasingly difficult to explain to farmers why they can go to the store and buy pants made from hemp, but if they grow it themselves, they'll be arrested." ■

JOHN BYRNE BARRY is the managing editor and designer of the Sierra Club's activist newsletter, *The Planet*.

For more information, contact: Business Commerce in Hemp (BACH), 1093, Los Angeles, CA 90071-1093, for Hemp, P.O. Box 65130, Institute for Local Self-Reliance, 1200, Washington, D.C. 20004, or Hans Florine, facing page 22, Wash- ington, D.C. "Rodeo" 12A, Clami, France.

MOST
MUTUAL FUNDS

INVEST

TO MAKE

MONEY.

GREEN CENTURY FUNDS
An investment for your future.



The Green Century Funds invest to make money – and a difference.

AVERAGE ANNUAL TOTAL RETURNS*	
1 year	19.63%
3 years	12.23%
Since inception	8.99%

The ideal investment promotes your financial interests as well as the well being of the environment. The Green Century Equity Fund does exactly that. The Green Century Equity Fund is a no-load stock index fund with a history of growth and solid returns. Just as important, the Equity Fund invests only in environmentally and socially responsible companies. Your money will not support pollution, and will actively promote a cleaner, healthier earth.

If you are serious about your investments and serious about the environment, call us at **1-800-93-GREEN**.

The Green Century Equity Fund.
An investment for your future.

*The performance data quoted represents past performance and is no guarantee of future results. Investment return and principal value of an investment will fluctuate so that an investor's shares, when redeemed, may be worth more or less than their original cost. The Green Century Equity Fund which commenced investment operations in September, 1993 invests all of its assets in an investing separate registered investment company which has the same investment objective as the Fund (the "Portfolio"). Consistent with regulatory guidance, performance for the period prior to the Fund's inception reflects the performance of the Portfolio adjusted to reflect the deduction of the charges and expenses of the Fund. Total returns for the period ending 8/31/95 are historical. The since inception figure is from August 31, 1993. For more complete information, including fees and expenses, please call for a free Prospectus. Read it carefully before you invest or send money. Distribution: Separate Broker/Dealer Services, Inc.

Introducing a special gift for a special time of year.

For someone who enjoys music, the Wave® radio may be just the gift you're looking for this holiday season.

It's an AM/FM radio unlike any you've ever seen or heard. With patented technology for sound far superior to what you experience from conventional radios. And it's available directly from Bose®...the most respected name in audio.

Give The Gift Of Music. The Wave radio makes a truly special gift. Call to learn about our in-home trial and our satisfaction guarantee.



"The sound...is startling."
— Popular Science magazine

To order or for more information, call **1-800-845-BOSE, ext. RH361.**

Order before December 15, 1995, for **FREE shipping!**

BOSE
Better sound through research®

©1995 Bose Corporation. Covered by patent rights issued and/or pending. Free shipping offer is not to be used in combination with any other offers.

Yes, please send me more information about the Bose® Wave® radio. (Please print.)

Name _____

Street _____

City _____

State _____ Zip _____

Phone (_____) _____

Mail to: Bose Corporation, Dept. CD0-RH361, The Mooradian, Framingham, MA 01701-9168.

Or call 1-800-845-BOSE, ext. RH361.

Ask about FedEx® delivery.

Michael Castleman

Tiny Particles, Big Problems

Small may be beautiful, but when it comes to microscopic particulates in the air, it can be deadly. In the last few years, several studies have sounded alarms about the possible health hazards of particulates. Of greatest concern is material less than 10 microns in diameter—one-seventh the thickness of a human hair—known to researchers as PM-10.

Worries about PM-10 led the American Lung Association to sue the Environmental Protection Agency for foot-dragging on its air-quality standards for particulates. And if recent studies suggesting that radial tires contribute a surprisingly large amount of PM-10 to the atmosphere are confirmed, the tiny particles could play a role in the debate over national transportation policies.

Microscopic motes have come under scrutiny despite laudable advances in air-pollution control. Since 1970, when Congress passed the Clean Air Act, the nation's air has become considerably cleaner. It's still by no means pristine, but emissions of major chemical pollutants (lead, sulfur dioxide, nitrogen oxides, carbon monoxide, and volatile organic compounds) as well as of particulates (a general category of pollutants based simply on their size) have declined substantially. Levels of total particulates, in fact, have fallen the most, from 23 million tons a year in 1970 to less than 10 million in 1990, according to the EPA.

Lawmakers have been patting themselves on the back, but respiratory researchers have not joined the celebration. They've been too busy trying to figure out why the death rate from lung disease continues to rise, even

when deaths attributable to smoking are excluded.

In 1993, Harvard scientists declared that the tiniest of airborne particulates were the culprit. They compared pollution levels and death rates among 8,000 people in six small communities around the country, and discovered that deaths from lung and heart disease were 26 percent higher in the most polluted locale, Steubenville, Ohio, than in the cleanest, Portage, Wisconsin. Steubenville also had three times more PM-10. Everywhere they looked, researchers found that deaths from respiratory ailments moved in lockstep with the levels of these particulates.

Since that study, other investigators have reached similar conclusions. These culminated with a replication of the Harvard study based on a much more comprehensive sample of 552,000 people in 151 cities. The results were the same. Independent of smoking and other causes of heart and respiratory disease, cities reporting the highest levels of ultra-fine particulates (those smaller than 2.5 microns) had the highest death rates from lung disease and heart disease, 15 percent higher than the cities re-



Our... cleaner,
 lives
 fms
 climate



porting the cleanest air. Even in cities that meet federal clean-air standards, the risk of death from these diseases is 3 to 8 percent higher than in the cleanest cities. Extrapolation of these findings to the U.S. population indicates that particulates are to blame for more than 150,000 deaths every year.

Small particles are more hazardous than large ones because they lodge deeper in the lungs, causing chronic irritation that can trigger asthma attacks, aggravate other lung diseases, and interfere with the blood's ability to release carbon dioxide and take in oxygen. That strains the heart, increasing the risk of heart-disease fatalities.

PM-10 comes from dust generated by construction work, wind erosion, plowing, wood-burning fireplaces, traffic on dirt roads, and automobile and industrial emissions. But researchers are wondering if new kinds of particulates are also to blame. One possible culprit: rubber dust from radial tires. Radials, which have become standard equipment on cars over the past 20 years, throw out smaller particles than older, bias-ply tires. Under the Clean Air Act the EPA should have completed a five-year review of national air-quality standards in 1990, but the last one occurred in 1987 (the 1985 review, two years late). The American Lung Association sued the agency, and in October 1994 a federal judge ruled that the EPA must complete its current air-quality report by early 1997, paying special attention to the particulate standard.

Health experts want the standard tightened. Some also argue for keeping speed limits at 55 miles per hour to minimize wear on radial tires. Meanwhile, speed limits have been rising, and Congress is working to gut the Clean Air Act. It's time to give your senators and representative a lungful—while you can still draw breath. ■

Norman *is a Bay Area*
commerce *journalist.*

1093, Los Ang.

0093; Institute for Hemp, Is to protect the
St. Paul, MN 55165; Nancy Parks, Sierra
Self-Reliance, 2425 Lee, 201 W. A. in Sq., Box
ington, Pa. 16820; (814) 349-5151.

NIKON'S TOP BINOCULARS AREN'T THE MOST EXPENSIVE. THEY JUST PERFORM THAT WAY.



Nikon 7x50 Prostar

"The Connoisseur's Binocular"
Astronomy Magazine

Nikon 8x & 10x Diplomat Compacts

"Best Of What's New 1995"
Popular Science Magazine

Nikon 8x30 E

"#1 Binocular"
Wildlife Magazine

Nikon 8x40 Classic Eagle

"Excellent, sharp and precise of focus"
Bert Raynes, Nature Columnist,
Professor Teton Science School

Nikon 8-16x40 Zoom XL

"The world's finest quality zoom binocular"
Judd Cooney, Outdoor Writer & Photographer

Nikon

B I N O C U L A R S • S C O P E S

PREMIUM QUALITY WITHOUT THE PREMIUM PRICE.

It's no surprise that many experts hold Nikon's top binoculars in such high esteem. But what may surprise you is that these binoculars and fieldscopes often cost hundreds less than comparable European models. Our legendary multicoated lenses deliver bright, sharp images edge to edge. And our award winning designs go beyond optics to bring you locking diopters, long eye relief for eyeglass wearers and ergonomically designed bodies for comfort. But, unlike our European competitors, our worldwide production efficiencies enable us to bring you Nikon quality at prices that are, well, quite comforting. Compare our top models to the finest from around the world. You'll recognize our extraordinary performance. All the way to your wallet. For a free catalog, call 1-800-247-3464. For Nikon's guide "How to Choose the Right Binocular," send \$9.95 to Nikon Binoculars, P.O. Box 7174, Melville, NY 11775.

©1995 Nikon Inc.

* Reprinted with permission from Popular Science Magazine, copyright 1995, Times Mirror Magazines Inc. Distributed by L.A. Times Syndicate.



NATIONAL WILDLIFE
FEDERATION®

Working for the Nature of Tomorrow®

CLEARLY SUPERIOR

The Public Opinion Paradox

A modern de Tocqueville observing the past year's political events might reasonably conclude that the United States is profoundly hostile to environmental protection. Nearly every major environmental program and institution is under attack. The Clean Water and Endangered Species acts are being eviscerated; the Environmental Protection Agency is being defunded—House Majority Whip Tom DeLay (R-Texas) refers to it as “the Gestapo of government”—and House Resources Committee Chair Don Young (R-Alaska) calls environmentalists “despicable.” It would appear to be a hard time to be green.

And yet the vast majority of Americans claim to be so; a recent Gallup poll reported that roughly two-thirds consider themselves “environmentalists.” An ABC News/*Washington Post* survey found almost three-quarters of the respondents complaining that the government was not doing enough to protect the environment. An NBC News/*Wall Street Journal* poll showed that most Americans (53 percent) want to see

BY GEORGE PETTINICO

environmental regulations strengthened, 26 percent support the status quo, and only 19 percent want to see them weakened. And despite a general desire to cut government spending, 55 percent of the respondents to a *Time*/CNN survey wanted to increase government spending on the environment, 27 percent wanted it to remain the same, and only 16 percent called for a cut. These surveys, and numerous others like them, seem to tell us that the public wants a government committed to protecting and improv-



ing the environment. Yet these are the same people who recently elected an unprecedented number of officials intent on trashing environmental laws.

How did this happen? The answer lies in the complex nature of polling and the difficulty of gauging true public opinion. Most Americans are indeed committed to the ideal of a healthy environment; the rub is how that ideal is translated into everyday thought and action.

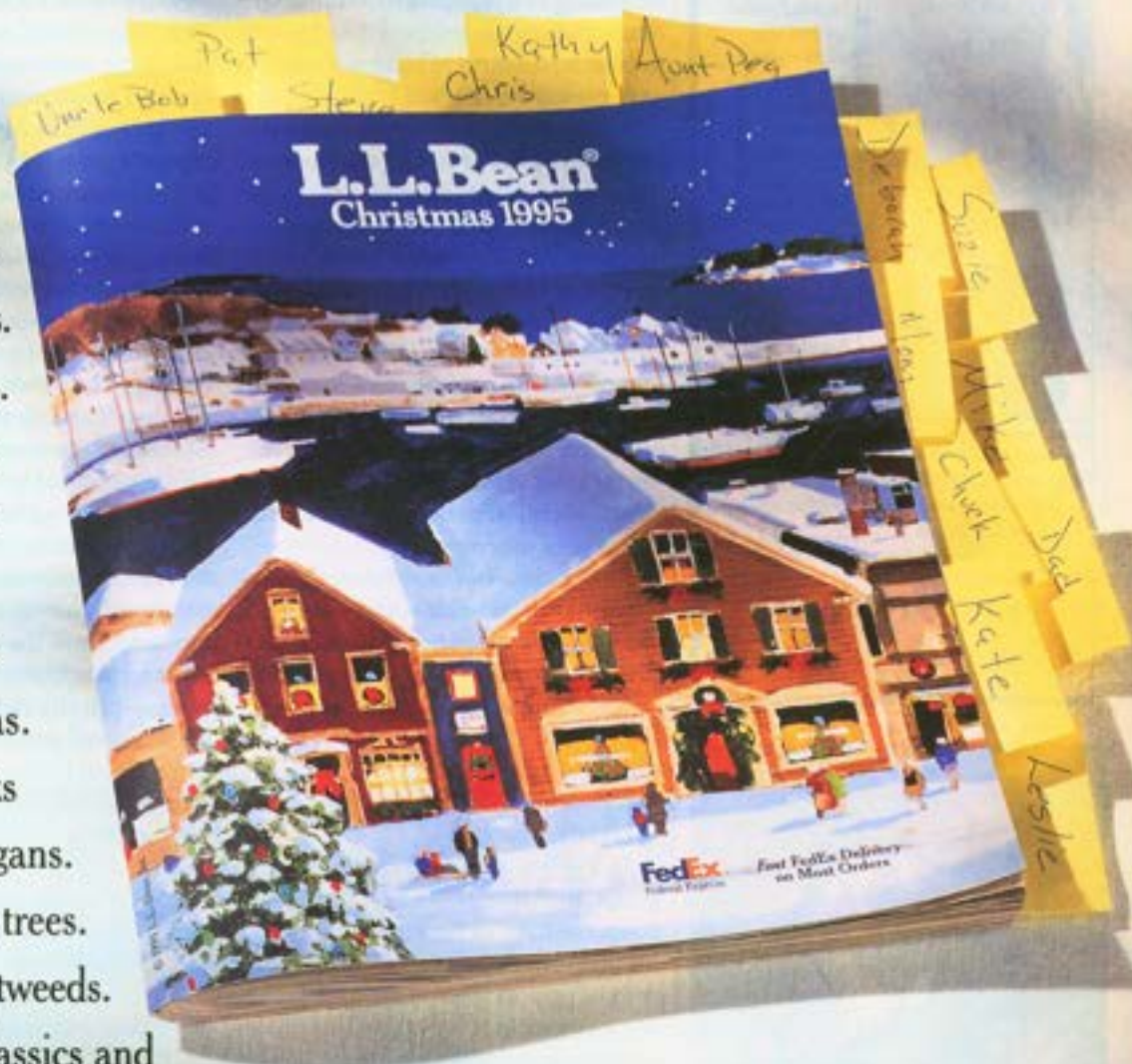
The problem is not, as one might suspect, that the public wants a healthy environment but is unwilling to sacrifice for it. Most Americans say they are willing to tough it out—to some degree—for Mother Nature. The spring Gallup poll found almost two-thirds of the respondents agreeing with the statement, “Protection of the environment should be given a priority, even

Most of us are environmentalists—until we get in the voting booth.

■ ■ ■

L.L. Christmas Tradition

No traffic.
No crowds.
No hassles.
308 pages
to browse
through.
Hundreds
of gift ideas.
Turtlenecks
and toboggans.
Christmas trees.
Christmas tweeds.
All-time classics and
one-of-a-kinds. Toys for kids. Toys for kids at heart. Old favorites. New colors.
Unparalleled Bean quality. For over 80 years. 100% guaranteed.
One simple phone call. Anytime. FedEx® delivery at no extra charge.
Everything's taken care of. There. Wasn't that easy.



FREE Catalog
1-800-571-2326
LL# 4158240

L.L.Bean®
Casco Street, Freeport, ME 04033
Visit our Internet Site at <http://www.llbean.com>



Goose down robe

Surround yourself in warm, light-weight elegance. Superblend fabric for easy care. Contrasting piping, shawl collar and roll back cuffs. Fully guaranteed. Order cream, peach, blauette, salmon, navy, burgandy or teal. Sizes XS, S, M, L. Regularly \$160. Sale \$89. Shipping and handling, \$6.75.

Goose Down Slippers match robes in cream, peach, blauette, salmon, navy, burgandy or teal. Sizes XS, S, M, L. Regularly \$38. Sale \$22. Shipping \$4.75.

- Order by phone with MC or VISA, call 415-472-2154.
- Use MC, VISA or check for mail orders. CA residents add 7.25% tax.

WARM THINGS

180 Paul Dr., Dept. SC / San Rafael, CA. 94903
415-472-2154—Ship within 48 Hrs.—MC/VISA



Introducing the most visually arresting
5 Megabytes in America

ANSEL ADAMS screensaver

30 Ansel Adams Photographs beautifully presented with quotations from his writings.

Only authorized works published by Time Warner Electronic Publishing/Letric, Brown and Company can be considered authentic representations of the genius of Ansel Adams.

mpc & mac cd-rom • mac & pc diskette

Available in bookstores and software outlets near you
To order direct call 1-800-759-0190

T
TIME WARNER ELECTRONIC PUBLISHING

<http://gwprod.com/timeprod/ansel>

PRIORITIES

at the risk of curbing economic growth." Roughly 60 percent of the respondents to a Harris survey said they'd be willing to pay higher federal income taxes and energy prices if "the money would be spent to protect and restore endangered species."

If taxes and prices were the only obstacles to a greener future, the environment would be in much better shape than it is. Cost, however, is not the main impediment. The big problem is simply the existence of other, ostensibly more pressing issues to worry about.

When pollsters ask people if they are concerned about the environment, most answer "yes." However, when not prompted, surveys show that the majority of Americans do not pay as much attention to the environment as to a host of other concerns.

One of the most useful tools in public-opinion research is the oft-asked "In your opinion, what is the most important problem facing the country today?" Without suggesting an answer, it gauges the salience of various issues (which is why it is usually asked first, before other questions have a chance to bias the interview).

In the five decades that Gallup has posed this question, environmental concerns have never registered as the number-one issue for more than 7 percent of respondents. That high point was reached in the early 1970s; more recent responses remain below 3 percent. In a Gallup poll this summer, 22 percent of the respondents listed crime and drugs as the most important problems facing the country, 18 percent cited a weakening economy, and 7 percent mentioned the federal budget deficit. Less than 1 percent felt the environment was the major problem.

A revealing *Time/CNN* poll taken in January asked people to rank the relative importance of various national problems. Less than a quarter of respondents classified environmental protection as "one of the most important" (although two-thirds gave it second-place "very important" status). When lined up against the other wor-

ries of modern life, the environment regularly loses the battle of the issues.

Why? In *Attitudes Toward the Environment: Twenty-Five Years After Earth Day* (American Enterprise Institute Press, 1995), Everett Ladd and Karlyn Bowman suggest that most Americans do not see the environment in a state of severe crisis, as many did in the early 1970s. "For most Americans," they conclude, "the urgency has been removed, and the battle to protect the environment is being waged satisfactorily"—leaving room for newer, more "urgent" issues to dominate center stage.

Other public-opinion analysts feel that issue salience is closely tied to news coverage. In a *Public Perspective* article entitled "Leading the Public," Jeffrey Alderman, director of polling for ABC News, examined how the public ranked drugs, crime, and health care in its hierarchy of priorities. He found an explosion of media coverage for each topic in the months before it rose to become a top concern in the polls. It is not surprising, then, that environmental issues get low-priority ratings, since—except for occasional sensational disasters such as the *Exxon Valdez* oil spill—relatively little sustained media attention is devoted to them.

(The degree of popular reliance on the major media was shown in focus groups conducted earlier this year by presidential pollster Stanley Greenberg, where many participants refused to believe that environmental laws were being undermined because they hadn't heard about it on *60 Minutes*.)

The fact is that much of the damage now being done to the environment is not directly visible to the majority of Americans. Although most acknowledge—when reminded—that there are serious problems with global warming, decreasing wildlife diversity, and dwindling resources, for instance, few personally encounter these problems in their everyday lives. Without the media's constant coverage of these issues, more "immediate" concerns claim their attention.

This poor showing in the marketplace of hazards is what hurts environmentalists most on election day. In the

1980 and 1984 presidential contests, for example, voters believed Jimmy Carter and Walter Mondale to be the best candidates for the environment. Yet Ronald Reagan—who once famously claimed that trees cause pollution—won both elections handily. The 1980 contest was dominated by the Iran hostage situation, “stagflation,” and the national malaise, while taxes and the Cold War were central to the 1984 campaign. Environmentalism played little to no role in either race.

More recently, a *Times-Mirror* survey in the summer of 1994 asked which political party would do a better job protecting the environment. By a two-to-one margin (56 percent to 28 percent), the public indicated the Democratic Party. Yet not one sitting Republican lost a congressional post last November, while Democratic losses were historic.

Must it be ever thus? Ironically, hope for the next and future elections originates in the radical actions of the current Republican leadership. As Congress attempts to hobble environ-

mental legislation, especially the protective laws that the American people have come to expect, such as the Safe Drinking Water Act, voters should reawaken to green issues—if the media cover them. A summer poll sponsored by the Environmental Information Center found anger growing in several states toward politicians who want to sabotage clean air and water regulations. When voters realize that they can no longer take even the most basic environmental safeguards for granted, and that past successes may be reversed almost overnight, environmental issues should hit home once again.

GEORGE PETTINICO is a senior research analyst at the Roper Center for Public Opinion Research at the University of Connecticut and assistant editor of the Center's magazine *Public Perspective*.

► Write or call your local newspaper editors and television news producers and ask them to improve their coverage of the War on the Environment.

Wit and Wisdom of the Wise Users

How the other half intimidates.

One of the nastier manifestations of the anti-environmental Wise Use movement is the “Sahara Club,” a loose collection of loose nuts based in Southern California “dedicated to fighting eco-freaks and keeping public lands free.” Over the years, their newsletter has become a sort of clearinghouse of dirty tricks for the anti-environmental fringe.

“We do not condone or encourage any illegal activities of any sort,” the newsletter’s most recent issue coyly disclaims. “However, we get a real kick out of legitimate irritation of the eco-freak community.” Following are suggestions for “legitimate irritation” from Sahara Club members:

■ “Every meeting that’s been held in



BEV DOOLITTLE'S *New Magic* The Collector's Edition

Coming this fall . . .

BEV DOOLITTLE: NEW MAGIC

A special clothbound, slipcased Collector's Edition™ book accompanied by “The Spirit Takes Flight,” a new signed and numbered limited edition fine art print. Limited to 50,000. \$245 U.S.

“New Magic” is a chronicle of my evolving concerns as an artist and a human being. My hope is that we will all, eventually, learn to embrace the Earth as our Mother.

—Bev Doolittle

Win Bev Doolittle's original watercolor painting *The Spirit Takes Flight*, valued at \$25,000.

No purchase is necessary.

For more information, please call toll-free
1-800-658-7808 in the U.S. or 1-800-263-4001 in Canada.

THE GREENWICH
WORKSHOP
The Art of Wilderness

THE GREENWICH WORKSHOP, INC., One Greenwich Place, Shelton, Connecticut 06484-4675
THE GREENWICH WORKSHOP LTD., 3781 Victoria Park Avenue, Unit 6, Scarborough, Ontario M1W 3K5 Canada

P802



THE ROOTS OF THIS TREE
SPREAD CLEAR ACROSS THE WORLD.



They are part of the land. Which is boundary to the water. Which is partner to the sky. Which are all connected to us. Because everything is connected, choosing one environmental cause can be hard. But now, helping one, or all, is easy. It's called Earth Share. It's over thirty of the world's most respected environmental charities working together under one name. You can give through your office. And you will be helping to make sure the roots that join nature and us, are never severed. To find out how you and your company can become involved, call:



 **Earth Share**
1-415-923-5637



PRIORITIES

our area between eco-freaks and normal people, we have shown up (12 members strong) and literally shouted the bastards down. We position ourselves throughout the audience, rather than sit in one group. This way, when we yell long and hard, it seems like the entire audience is doing it.

"Our small group has turned no less than a dozen meetings into screaming yelling matches and the eco-freaks have run out of the room most of the times. Being intimidating really works and sure shuts the bastards up!" —M.S. from Oregon

■ "Our local club has been faking letters to our local newspapers, posing as eco-freaks. The letters we write are so inflammatory that when they're run, the readers get really pissed off at the eco-freaks. It seems the wilder we make the letters, the more the papers run them." —A.P. from Ohio

■ "Me and my buddies get a list of various enviro-groups that are holding

some kind of meeting. We then show up and watch who goes into the meeting and where they park their cars. After the meeting is well under way, we remove all the valve cores from their tires and toss them in the bushes. It's tow-truck city later on.

"We also take down the license plate numbers and call the local police department and report the cars as stolen. I highly recommend this as an effective way to slow down eco-meetings." —Sam from Colorado

■ "When my kid came home from school and told me that his teacher was preaching to the class about all the good Greenpeace was doing, I went to the school and confronted this teacher. He told me he was a Greenpeace supporter. I told him he could be anything he wanted to be, but that if he tried to teach my kid that crap I would go to the principal and school board and get him fired. He agreed to back off and has not mentioned another eco-word to this date." —J.K. from New Jersey

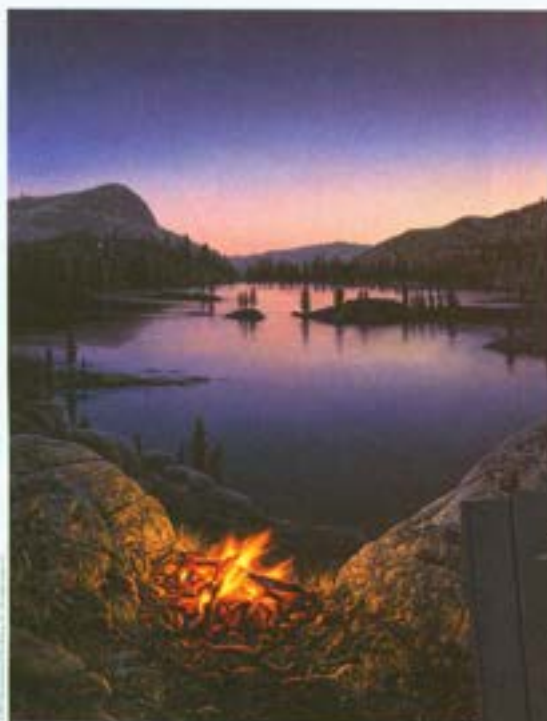
■ "I have stocked up on super glue and

find it works best in the door locks of BLM vehicles. One little squirt in each lock and they have to break the window to get in. If I have time, it's also fun to let the air out of the tires, then superglue the valve caps back on so they can't be refilled." —no name from California

■ "Whenever I run into an eco-freak almost anywhere, I get right in his face and make him or her feel like dog shit. Of course, it helps that I am a fairly large person. But I have taught a few of my normal-sized friends how to intimidate verbally, and it works for them, too." —R.S. from Pennsylvania

It may not be much comfort if you just had your tires flattened, but the reason Wise Users need to throw their weight around is that they don't have very much of it. Environmental activists should remember that they have the vast majority of the American people—not to mention the Bill of Rights and the criminal code—on their side. Intimidation only works if you let it.

—Paul Rauber



STEPHEN LYMAN'S

into the wilderness The Collector's Edition

Coming this fall . . .

INTO THE WILDERNESS: AN ARTIST'S JOURNEY

Art and Photography by Stephen Lyman. Written by Mark Mardon, former editor of "Sierra." A special signed, clothbound, slipcased Collector's Edition™ book with more than 100 full-color images and 175 photographs and sketches in 180 pages. Accompanied by "Evening Star," a new signed and numbered limited edition fine art print. Limited to 9500. \$195 U.S.

What's exciting for me is that my book is organized so that the reader will feel we're on a trip through the wilderness together. —Stephen Lyman

For more information, please call toll-free 1-800-447-1717 in the U.S. or 1-800-263-4001 in Canada.



THE GREENWICH WORKSHOP, INC., One Greenwich Place, Shelton, Connecticut 06484-4675 • 203-925-0131
THE GREENWICH WORKSHOP LTD., 3781 Victoria Park Avenue, Unit 6, Scarborough, Ontario M1W 3K5 Canada

1981

Cookie Dough Review!



Serving Size: Who knows! When was the last time you measured out the gobs as you were dishing them into your mouth?
fat: 10-500g!
calories: 250-2,500!

Cookie-Dough

Decadence! However, does not travel well and has very few (really zero) practical applications for recreational or competitive activities. Best consumed from a bowl with a spoon on couch watching television.



Serving Size: 1/2 cup (yeah, right! Have you ever stopped there or was the whole container gone before you took "just one last bite")
fat: 17-170g!
calories: 280-2,800!

Cookie-Dough Ice Cream

Another great tasting version. However, readily melts and should be eaten no more than 20 feet from the freezer. Frozen handling problem on roads and runs. Best consumed from a bowl with a spoon in a couch avoiding responsibility.



Serving Size: One bar, 2.5 ounces
fat: 2.5 grams calories: 230 per bar

Extreme Cookie-Dough

Tastes like cookie-dough without all the drawbacks. Tastes good, versatile, travels well and perfect anytime or anywhere - competition, excursion, training, snack or meal replacement. Keep in mind that like the other cookie-doughs, you may have trouble stopping at just one serving, but don't worry because Extreme is low in fat - only 2.5 grams per bar.

Made from all natural ingredients.
Extreme tastes like real food... because it is!

for questions, comments or a free brochure call 1-800-9EXTREME

©1995 The Healthy Habit, Provo Utah

GO TO THE EXTREME!

ENERGY

NUTRITION

FOOD

SPORT SNACK
ExtremeTM
energy nutrition bar

tastes like real food... because it is!

COOKIE-DOUGH • CHIP & CHERRY
BROWNIE-CRUNCH • OATMEAL-RAISIN
APPLE-CINNAMON • VANILLA-CRUNCH

for questions, comments or a free brochure, call 1-800-9EXTREME

© 1995 THE HEALTHY HABIT, PROVO, UTAH

Eco-Thug: James Hansen

The competition is stiff these days, but the hands-down winner of Sierra's new James Watt Act-Alike contest is James Hansen, Republican representative from Utah. While not as outwardly loopy as the former interior secretary, Hansen is doing his best to match the destructive grandeur of Watt's schemes to turn the public lands to private profit.

Since Hansen was first elected to Congress in 1980, his environmental rating from the League of Conservation Voters has seldom risen above 0, and has not topped 6 percent since 1989. Up to now his legislative accomplishments have been undistinguished; in his first 14 years in Congress, he managed to pass only four pieces of legislation—one a bill renaming the post office in Beaver, Utah.

Considering Hansen's agenda, we can only hope that Republican control of the Congress doesn't improve his legislative box score. His "Human Protection Act," for example, would subordinate the survival of endangered species to the financial convenience of neighboring humans. He is pushing a bill to allow states to veto new congressionally approved wilderness areas, and another to run paved highways anywhere a trail of any sort is rumored ever to have existed. ("Rights-of-way" are now being claimed in Hansen's home state for washed-out tracks a Humvee couldn't navigate, and even for creekbeds.) He also wants to turn 270 million acres of federal public lands over to the states. Their upkeep would cost Utah nearly \$22 million a year—unless, of course, they were to be sold off for development, which appears to be Hansen's intention.

Hansen is chair of the House Resources Subcommittee on National Parks, Forests and Lands, which under his gavel has dedicated itself to dispos-



HANSEN

ing of those entities. He supports decommissioning national parks he deems to be "not worthy," like Nevada's Great Basin National Park. "If you've been there once, you don't need to go again," he says.

Despite his national mischief, Hansen's greatest potential havoc is closest to home in the form of a bill severely limiting the amount of wilderness the state of Utah will ever have, and allowing unprecedented levels of intrusion into what's left (see "Wilderness of Greed," September/October).

Hansen proposes to "preserve" a pitiful 1.8 million acres of Bureau of Land Management wilderness, opening to development nearly half of all wild areas currently protected by the BLM. And since he also redefines the term "wilderness," even his supposed protected areas could include dams, pipelines, communication facilities, and off-road vehicle use. "The West simply wants the chance to decide for ourselves what is best for these lands," he claims—yet three times as many Utahans support a counterproposal to preserve 5.7 million acres of wilderness as support his own miserly bill. If Hansen's bill passes, it will be a model for future efforts in other states. "It's a test case for us," says Hansen.

There's one other sinister element to Hansen's bill, a poison-pill addendum that bars anything not already preserved from ever being considered for future protection. If James Hansen has his way, he will be Eco-Thug not just now, but for all time. —Paul Rauber

► Urge your U.S. senators and representative to oppose Hansen's anti-wilderness Utah Public Lands Management Act, (H.R.1745 and S.884) and to support America's Redrock Wilderness Act, H.R.1500, which would save 5.7 million acres of irreplaceable Utah canyon country.

the art of **kitty cantrell**



Acclaimed environmental artist Kitty D. Cantrell has once again captured the majestic Timber Wolf as an example of wild America in her newest creation for the Legends foundry titled "Scent in the Air." Authentic in form and rich in detail, the wolf—with piercing gaze and fur that reveals the wind—has detected a "scent in the air." He tilts his head toward the sky and lifts his nose, hoping to track the smell and find its origin.

A certified, limited edition of 750
Actual size is 11½" high

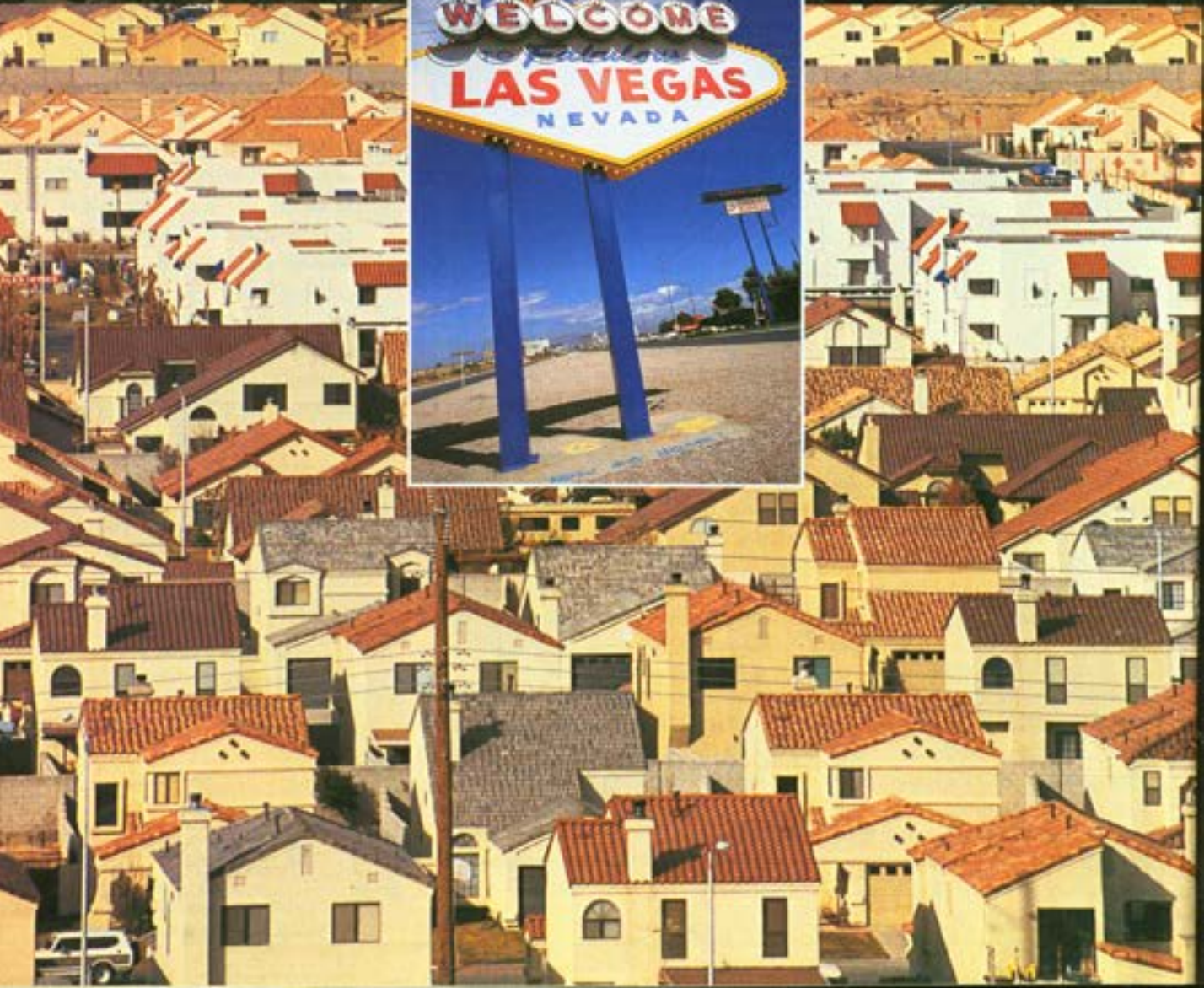
available at

Barbara's Elegants
Gallatinburg, Tennessee
(800) 433-1132

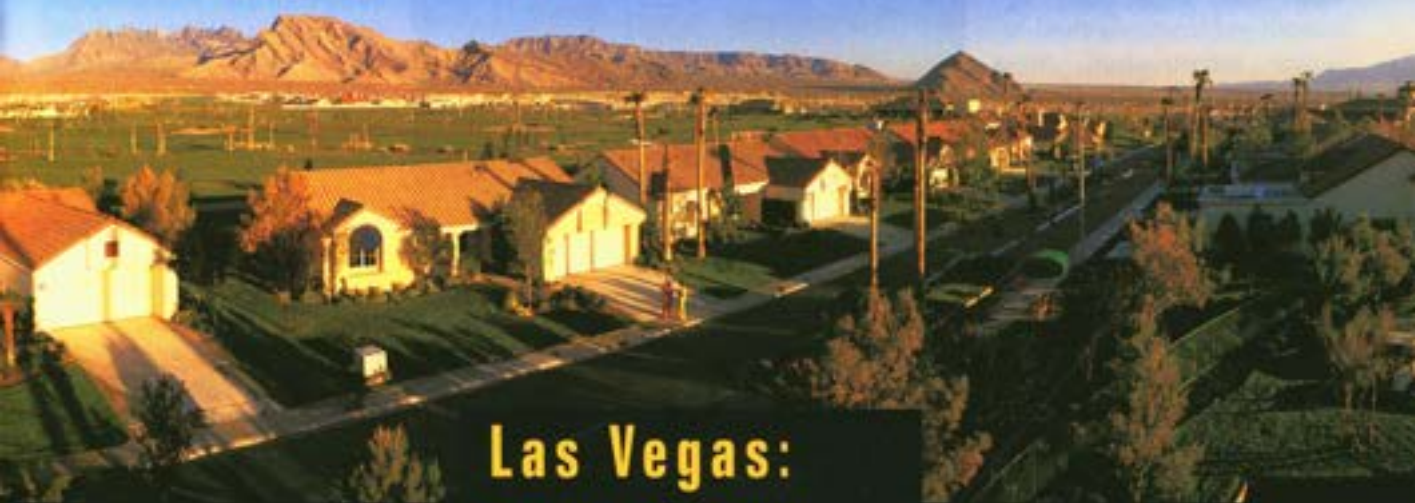

LEGENDS
A TRADITION OF THE ART OF SCULPTURE

To locate a Legends dealer in your area, call 1-800-840-3008

H O U S E O



F C A R D S



Las Vegas:

Too many
people in the
wrong place,
celebrating
waste as a
way of life.

It was advertised as the biggest non-nuclear explosion in Nevada history. On October 27, 1993, Steve Wynn, the state's official "god of hospitality," flashed his trademark smile and pushed the detonator button. As 200,000 Las Vegans cheered, the 18-story Dunes sign, once the tallest neon structure in the world, crumbled to the desert floor. The dust cloud was visible from the California border.

No one thought it the least bit strange that Wynn's gift to the city he so adores was to blow up an important piece of its past. This was simply urban renewal Vegas-style: one costly façade destroyed to make way for another. Wynn, the proprietor of the Mirage and Treasure Island, had promised a new super-resort on the Dunes site with lakes large enough for jet-skiing. He did not bother to explain where the water would come from.

By obscure coincidence, the demolition of the Dunes followed close on the centenary of Frederick Jackson Turner's legendary "end of the frontier" address to the World's Columbian Exposition in Chicago, where he meditated on the fate of the American character in a conquered and rapidly urbanizing West. Turner

questioned the survival of frontier democracy in the coming age of giant cities and monopoly capital, and wondered what the West would be like a century hence.

Steve Wynn has the depressing answer: Las Vegas is the terminus of western history, the end of the trail. At the edge of the millennium, this strange amalgam of boomtown, world's fair, and highway robbery is the fastest growing metropolitan area in the United

States. While Southern California suffers through its worst recession since the 1930s, Las Vegas has been generating tens of thousands of new jobs in gaming, construction, and related services. As a consequence, nearly a thousand new residents—half of them Californians—arrive each week.

Some of the immigrants are downwardly mobile blue-collar families desperately seeking a new start in the Vegas boom. Others are affluent retirees headed straight for a gated suburb in what they imagine is a golden sanctuary from the urban turmoil of Los Angeles. Increasing numbers are young Latinos, the new bone and sinew of the casino-and-hotel economy. This spring Clark County's population passed the

BY MIKE DAVIS

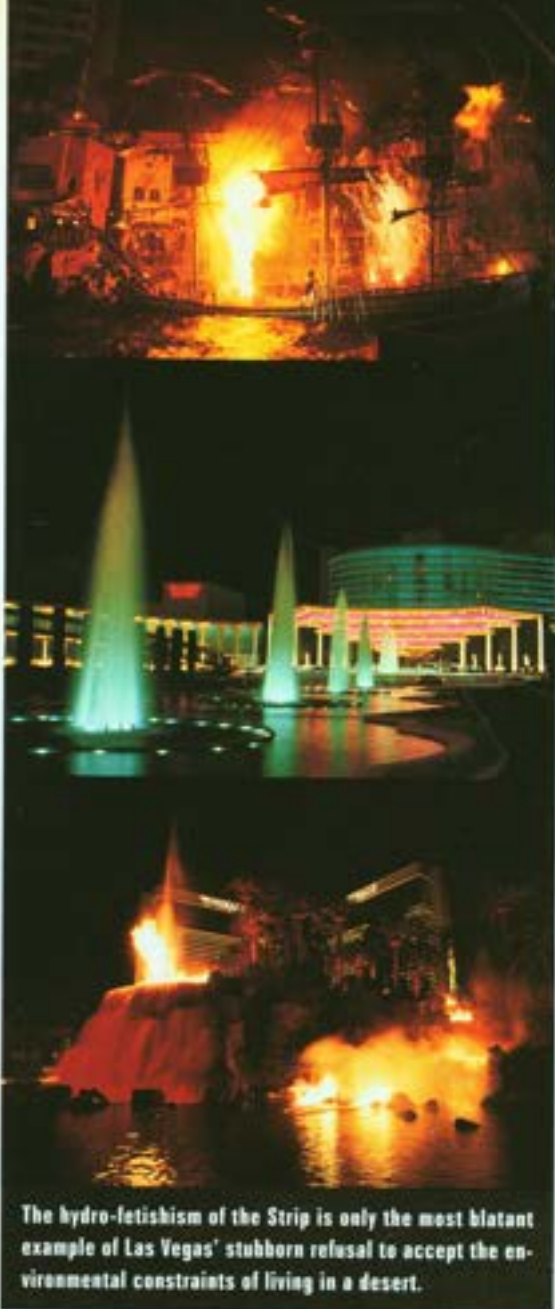
million mark, and demographers predict it will grow by another million over the next generation.

The explosive growth of southern Nevada can only accelerate the environmental deterioration of the American Southwest. Las Vegas long ago outstripped its own natural-resource infrastructure. Steve Wynn's hydro-fetishism (he once proposed turning downtown's Fremont Street into a pseudo-Venetian Grand Canal) sets the standard for Las Vegas' prodigal overconsumption of water: 360 gallons daily per capita versus 211 in Los Angeles, 160 in Tucson, or 110 in Oakland. In a desert basin that receives only four inches of annual rainfall, irrigation of lawns and golf courses, not to mention artificial lakes and lagoons, adds the equivalent of another 20 to 30 inches per acre.

Yet southern Nevada has little water capital to squander. As Johnnie-come-lately to the Colorado Basin wars, it has to sip Lake Mead through the smallest straw. At the same time, reckless groundwater overdrafts in Las Vegas Valley are producing widespread and costly subsidence of the city's foundations. Natural conditions dictate a fastidiously conservative water ethic. Tucson, after all, has prospered on a reduced water ration; its residents actually seem to like having cactus instead of crabgrass in their front yards.

But Las Vegas disdains to live within its means. Instead, it is aggressively turning its profligacy into a kind of environmental terrorism against its neighbors. "Give us your water, or we will die," demand Clark County water officials of politicians grown fat on campaign contributions from the gaming industry. What Las Vegas cannot buy from Arizona farmers, it seems determined to divert from the Virgin River (a tributary of the Colorado) or steal from the ranchers in Nye and Lincoln counties. Over the next decade, it may desiccate central Nevada and southwestern Utah as thoroughly as Los Angeles did the once-lush Owens Valley on the eastern flank of the Sierra, when it stole its water 80 years ago (an act of environmental piracy immortalized in the film *Chinatown*).

Southern Nevada is as thirsty for fossil fuels as it is for



The hydro-fetishism of the Strip is only the most blatant example of Las Vegas' stubborn refusal to accept the environmental constraints of living in a desert.

seed, Laughlin, has germinated kudzu-like into the nation's third-largest gambling center. Skyscraper casinos and luxury condos share the west bank with the mega-polluting Mojave Power Plant, which devours coal slurry pumped with water stolen from Hopi mesas hundreds of miles to the east. Directly across the river, sprawling and violent Mojave County, Arizona—comprising Bullhead City and Kingman—provides trailer-park housing for Laughlin's minimum-wage workforce, as well as a breeding ground for antigovernment militias.

The Las Vegas "miracle," in other words, demonstrates the fanatical persistence of an environmentally and socially bankrupt system of human settlement, and evokes Edward Abbey's worst nightmares of an apocalyptic urbanism in the Southwest. Modern philosophers (who don't usually live in the Strip's supposed "hyperreality")

water. As Clark County's transportation director recently testified, the county has the "lowest vehicle occupancy rate in the country" in tandem with the "longest per person, per trip, per day ratio." Consequently, the number of days with unhealthy air quality is dramatically increasing. Like Phoenix and Los Angeles before it, Las Vegas was once a mecca for those seeking the curative powers of desert air. Now, according to EPA reports, Las Vegas ties New York City for fifth place in carbon monoxide pollution. Its smog already contributes to the ochre shroud over the Grand Canyon, and is beginning to reduce visibility in California's new East Mojave National Recreation Area as well.

Las Vegas, moreover, is a base camp for the panzer divisions of motorized toys—dune buggies, dirt bikes, speed boats, jet-skis, etc.—that each weekend make war on the fragile desert environment. Few western landscapes, for instance, are more degraded than the lower Colorado River Valley, which is under relentless, three-pronged attack by the leisure classes of southern Nevada, Phoenix, and Southern California. In the blast-furnace heat of the Colorado River's Big Bend, Las Vegas' own demon

is stamped from a monotonously real and familiar mold. Las Vegas, in essence, is a hyperbolic Los Angeles, the land of sunshine on fast forward.

The template for all low-density Sunbelt cities was the great boom of the 1920s, which brought 2 million midwesterners and their automobiles to Los Angeles County. Despite the warnings of an entire generation of planners and conservationists chastened by this experience, regional planning and open-space conservation again fell by the wayside during the post-1945 population explosion in Southern California. In a famous article for *Fortune* magazine in 1958, sociologist William Whyte described how "flying from Los Angeles to San Bernardino—an unnerving lesson in man's infinite capacity to mess up his environment—the traveler can see a legion of bulldozers gnawing into the last remaining tract of green between two cities." He baptized this insidious new growth-form "urban sprawl."

Although Las Vegas' third-generation sprawl incorporates some innovations (casino-anchored shopping centers, for instance), it otherwise recapitulates the "seven deadly sins" of Los Angeles and its Sunbelt clones like Phoenix and Orange County. Thus Las Vegas has (1) abandoned a responsible water ethic; (2) fragmented local government and subordinated it to private land-use planning; (3) produced a negligible amount of public space; (4) refused to use "hazard zoning" to mitigate natural disaster and preserve landscape; (5) dispersed land uses over an enormous area; (6) accepted the resulting dictatorship of the automobile; and (7) tolerated extreme social and, especially, racial inequality.

In Mediterranean California or the desert Southwest, water use is the most obvious measure of environmental efficiency. Accepting the constraint of local watersheds and groundwater basins is a powerful stimulus to good urban design. It focuses social ingenuity on problems of resource conservation, fosters more compact and efficient settlement patterns, and generates respect for the native landscape. In a nutshell, it makes for "smart" urbanism (as seen in modern Israel, or the classical city-states of Arab Spain or North Africa).

Southern California's departure from the path of water rectitude began with the draining of the Owens Valley and culminated with the arrival in the 1940s of cheap, federally subsidized water from the Colorado River. Hoover Dam ex-

end of the fr
the World's Col
he meditated on the
in a conquered and

Las Vegas confirms

Edward Abbey's Worst nightmares about an apocalyptic urbanism in the Southwest.

Water profligacy also dissolves many of the bonds of common citizenship. Los Angeles County is notorious for its profusion of special-interest incorporations, "phantom cities," county "islands," and geographical tax shelters, all designed to keep money in the immediate neighborhood. Clark County, however, manages to exceed even LA in its dilution and dispersal of public power. The Las Vegas city limits encompass barely one-third of the metropolitan population. The major regional assets—the Strip, the Convention Center, McCarran International Airport, and the University of Nevada—are all located in an unincorporated township aptly named "Paradise," while poverty,

unemployment, and homelessness are disproportionately concentrated within the boundaries of Las Vegas and North Las Vegas.

This is a political geography diabolically designed to separate tax resources from regional needs. Huge, sprawling county electoral districts weaken the power of minorities and working-class voters. Unincorporation, conversely, centralizes land-use power in the hands of an invisible government of gaming corporations and giant residential and commercial-strip developers. The enormous empty squares in the built-up urban fabric, so dramatically visible from the air, epitomize the leap-frog development that planners have denounced for generations in Southern California. Crucial habitat for endangered species like the desert tortoise is destroyed for the sake of vacant lots and urban desolation.

Both Los Angeles and Las Vegas zealously cultivate the image of infinite opportunity for fun in the sun. In reality, however, free recreation is more accessible in older eastern and midwestern cities that cherish their public landscapes. As long ago as 1909, experts were warning Los Angeles' leaders about the region's shortage of parks and public beaches. Although the beach crisis was partially ameliorated in the 1950s, Los Angeles remains the most park-poor of major American cities, with only one-third the usable per capita open space of New York.

Las Vegas, meanwhile, has virtually no commons at all; just a skinflint 1.4 acres per thousand residents (compared with the recommended national *minimum* of 10 acres). This park shortage may mean little to the tourist jet-skiing across Lake Mead or lounging by the pool at the Mirage, but it defines an impoverished quality of life for thousands of low-wage service workers who live in the stucco tenements that line the side streets of the Strip.

The recreation crisis in Sunbelt cities is the flip side of the failure to preserve native landscapes—another consequence of which is the loss of protection from natural haz-

ards. The linkage between these issues is part of a lost legacy of urban environmentalism. In 1930, Frederick Law Olmsted, Jr., the greatest city designer of his generation, recommended "hazard zoning" to Los Angeles County as the best strategy for reducing the social costs of flood, wildfire, and earthquake. In Olmsted's sadly unrealized vision, development would be prohibited in floodplains and fire-prone foothills. These terrains, he argued, were best suited for preservation as multi-purpose "greenbelts" and wilderness parks, with the specific goal of increasing outdoor recreation for the poor.

Las Vegas is everything Olmsted most despised. Its lack of open space and its seas of concrete, for example, have greatly exacerbated its summer flash-flood problem (probably the city's best-kept secret, except for dramatic occasions as when unsuspecting tourists drowned in casino parking lots in 1992). Like Los Angeles, Clark County has preferred to use federal subsidies to turn its natural hydrology into an expensive plumbing system rather than use zoning to exclude development from the arroyos and washes that should have become desert equivalents to Olmsted's greenbelts.

Los Angeles, of course, was the first world metropolis to be decisively shaped by the automobile. One result was the decentralization of shopping and culture, and the relative decline of the downtown. Now a group of researchers at the University of California at Irvine suggest we are seeing in Orange County, for example, the "postsuburban metropo-

lis," where central functions—culture and sports, the civic center, corporate headquarters, and high-end shopping—are divided among four different edge cities.

Contemporary Las Vegas again represents this tendency taken to its extreme. With the partial exception of government and law, the gaming industry has successively displaced other civic activities from the center to the margins. Tourism (and poverty) now occupy the geographical core of the region. Other, traditional downtown features like shopping areas, cultural centers, and sports and business headquarters are chaotically strewn across Las Vegas Valley with the apparent logic of a plane wreck.

Meanwhile its new suburbs stubbornly reject integration with the rest of the city. To use the nomenclature of *Blade Runner*, they are self-contained "Off Worlds," prizing their security and social exclusivity above all else. Summerlin, the legacy of Howard Hughes' 1970s reign as Nevada's informal monarch, is the epitome of Las Vegas' walled satellite cities. When finally built-out in the early 21st century, a population of 200,000 will be hermetically sealed in its own upscale version of Arizona's leaky Biosphere.

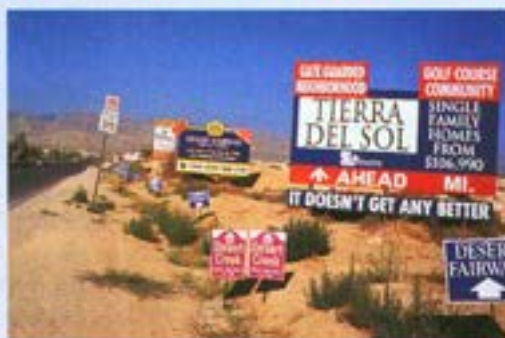
This atomized urban structure reinforces a slavish dependence upon the automobile. Las Vegas, according to architectural theorists like Robert Venturi, is supposed to be the apotheosis of car-defined urbanism, the mother of strips. Yet the casino boom of the last decade has made the Strip itself almost impassable. From late afternoon to past midnight,

MORE THAN THE LAND CAN HOLD

LAS VEGAS IS ONE OF the more outrageous examples of a city built in defiance of the land's ability to support it, but it is far from being the only such place in the United States. Americans now use more resources to generate more—and more dangerous—waste than at any time in our history. We are draining aquifers and paving over deserts, forests, and wetlands, while auto-dependent suburbs obliterate valuable farmland.

The concept of carrying capacity—the ability of an ecosystem to support a human population over the long term without degradation or exhaustion of resources—is coming up in local battles against uncontrolled growth across the country. The idea of living within a region's carrying capacity can serve to unify disparate environmental campaigns.

When the residents of Charles County, Maryland (including the local Sierra Club Chapter), got together to protest the pro-



New boomtowns: gated suburban refuges from supposed urban turmoil.

posed Chapman's Landing development—a "new city" of some 12,000 people, to be built on a forested historic site—they were considering their region's carrying capacity. In Florida, the Club's Miami Group and other citizens convinced city commissioners to toughen zoning requirements, helping to push local development toward sustainability. Across the country, citizens, city planners, and even financial institutions are beginning to question the belief

in endless growth as an endless good.

To help their communities live within their means, environmentalists are:

- supporting zoning and housing policies that create real, livable cities with low-impact transit systems and public amenities, and that do not use up valuable agricultural lands.
- reusing, reducing, and recycling, cutting use of fuel, water, electricity, and disposable products.
- supporting family planning services, reproductive health, and maternal and infant survival programs. Stabilizing population growth is essential to any discussion of carrying capacity.

For information on introducing these issues to your community, get the new Sierra Club guide to local carrying capacity, *Saving for the Future*, available from the Local Carrying Capacity Campaign, 408 C St., N.E., Washington, DC 20002; (202) 547-1141; e-mail scd.1@ig.apc.org.

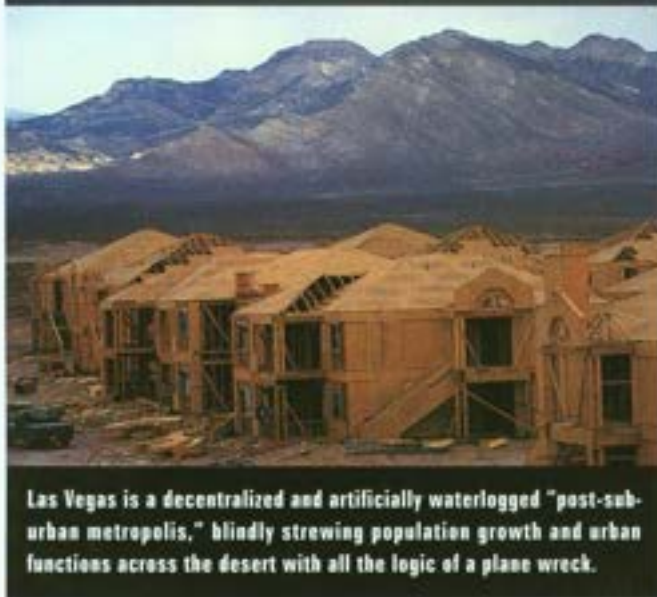
Las Vegas Boulevard is as gridlocked as the San Diego Freeway at rush hour, and its intersection with Tropicana Road may be the busiest street corner in the United States.

Today Las Vegas looks like one vast highway construction site. Nothing has been learned from the dismal California experience, not even the simple lesson that freeways only increase sprawl. When completed, the new freeway system may allow local commuters to bypass the Strip entirely, but it will also centrifuge population growth even further into the desert.

Hyper-growth also increases social inequality. Jobless immigrants far outpace the supply of new jobs; as a result, Clark County has witnessed soaring welfare caseloads, crime, mental illness, child abuse, and homelessness. The gaming industry, moreover, is still far from achieving racial or gender equality in its hiring practices and promotions. In the past, Las Vegas more than earned its reputation as "Mississippi West." While African-American entertainers were capitalizing the Strip with their talent, blacks were barred from most hotels and casinos through the 1960s. More recently, despite a booming economy, high unemployment in Las Vegas' predominantly black Westside helped precipitate four violent weekends of rioting following the Rodney King verdict in April 1992.

Inter-ethnic tension has also been on the rise in the last decade, as Latinos have supplanted African-Americans as the county's largest minority group. Indeed black leaders have spoken of "creeping Miamiization" as some casino owners prefer hiring Latino immigrants over local blacks. Latinos, for their part, point to overcrowded schools, police brutality, and lack of political representation.

Like the march of Los Angeles across the San Fernando Valley, bulging Las Vegas is rapidly urbanizing the lower Colorado River Valley. The struggle to prevent history from repeating itself as farce poses tough strategic choices. Environmentalists can continue to defend natural resources and wilderness areas one at a time against the juggernaut of development—a purely defensive strategy that will probably win some individual victories, but is almost guaranteed to lose the larger war. Alternatively, they can oppose develop-



Las Vegas is a decentralized and artificially waterlogged "post-suburban metropolis," blindly strewing population growth and urban functions across the desert with all the logic of a plane wreck.

ment at its source by fighting for limits on further population growth in the desert Southwest. Pursued abstractly, however, this strategy will only pigeon-hole greens as the enemies of jobs and labor unions. On the margin, some environmentalists may even lose themselves in the Malthusian blind alley of border control by allying themselves with nativist groups that want to deport hard-working Latino immigrants whose per capita consumption of resources is actually far smaller than that of their native-born employers.

A better approach would focus comprehensively on the character of desert urbanization itself. "Carrying capacity," after all, is not just a linear function of population and the available resource base; it is also determined by the quantity and form of consumption. And

that is ultimately a question of urban design. As Andrew Ross and other critics of "deep ecology" have long pointed out, urbanism per se is not the enemy of the environment. Indeed, cities have incredible, if largely untapped, capacities for the efficient use of scarce natural resources. Above all, they have the potential to counterpose public affluence (great libraries, parks, museums, etc.) as a real alternative to privatized consumerism, and thus cut through the apparent contradiction between improving the standard of living and accepting the limits imposed by finite natural resources. Indeed the most damning indictment against the Sunbelt city is the atrophy of classical urban (and pro-environmental) qualities like residential density, pedestrian scale, mass transit, and a wealth of public landscapes.

Instead, Sunbelt cities are stupefied by the ready availability of artificially cheap resources—water, power, and land. Bad design, in turn, has unforeseen environmental consequences. Southern Nevada's colossal consumption of electricity is a case in point. Instead of ameliorating its desert climate through creative urban design (e.g., proper orientation of buildings, maximum use of shade, minimization of heat-absorbing "hardscape," etc.), Las Vegas simply relies on universal air-conditioning. But this has only made its environment less hospitable. The combination of waste heat and vast paved surfaces transforms the city into a scorching "heat

Continued on page 76

V I E W I

THE WINNERS OF SIERRA'S 1995 PHOTO CONTEST

For three months straight we slog through mountains of entries, suffering paper cuts and eyestrain. And yet, after 16 years, *Sierra's* annual photo contest still delights us.

Each submission is a package of surprises; each photograph, in its arrangement of light, color, and form, a singular matching of nature's grace to photographer's skill. The hardest work comes in culling a handful of prizewinners from the bounty we receive.

Thanks to our judges, George Ward, Christine Alicino, Anne Hamersky, and Michelle Susoev, for being up to the task. And thanks to Minolta, Bausch & Lomb, Buck Knives, and Polartec for their sponsorship. Most of all, thanks to the contestants who make the competition a perennial pleasure.

GRAND PRIZE
DON JOHNSTON
Lively, Ontario
Canada

▲
Snow and Sand
White Sands National Monument,
New Mexico



O I N T S





SECOND PLACE

Wildlife

(Color)

KATHERINE FENG

Redlands, California

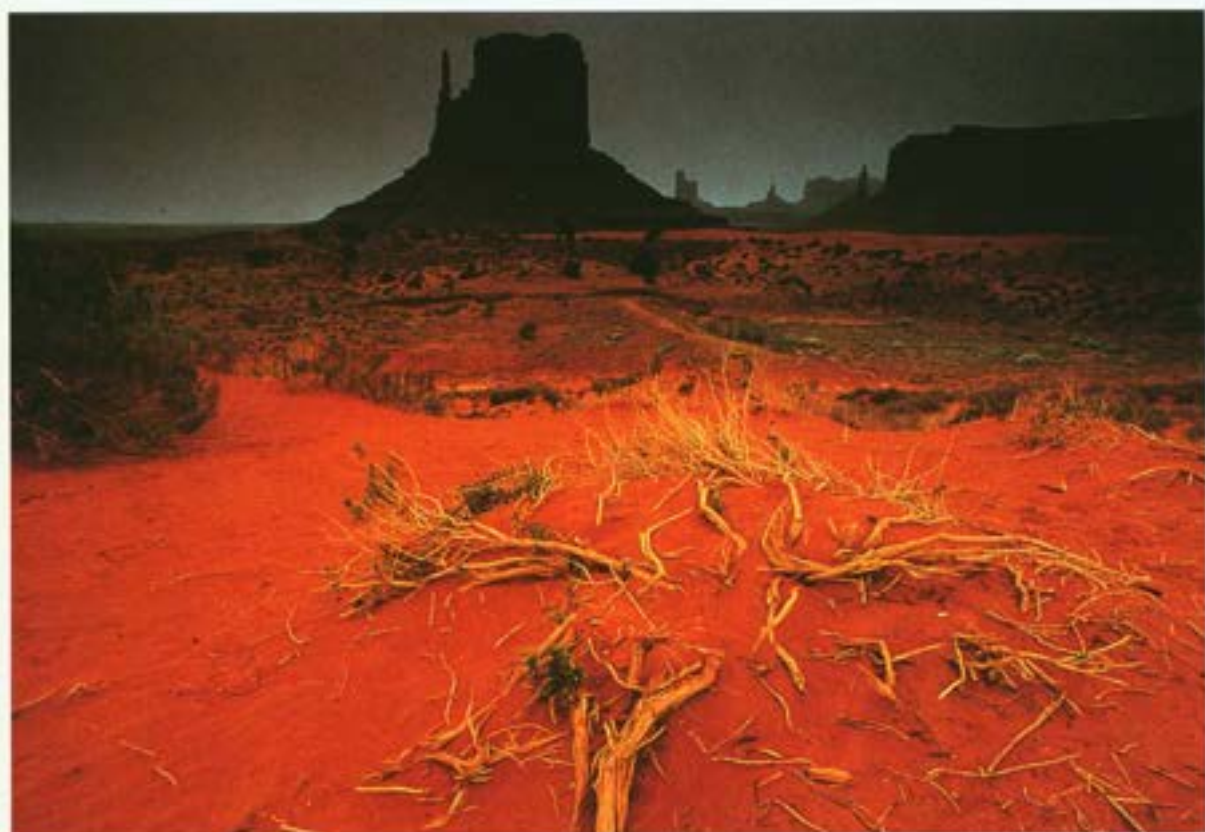


Polar Bear in Willows

Churchill, Manitoba

Canada

(1997)





SECOND PLACE

Landscapes
(Color)

J. R. SCHNELZER
Steamboat Springs,
Colorado



Monument Valley, Arizona
(BOTTOM, LEFT)

FIRST PLACE

Wildlife
(Color)

DAVID HALL
Woodstock, New York



Schooling Big-Eye Jacks
Cocos Island, Costa Rica
(ABOVE)

FIRST PLACE

Landscapes
(Color)

TIM FISHER
Portland, Maine



Sunset on the
Presumpscot River
Falmouth, Maine
(BELOW)

**FIRST PLACE
(TIE WITH COVER PHOTO)**

Abstracts
(Color)

ELAINA M. JANNELL
Concord, California



Reversal
(TOP, RIGHT)

SECOND PLACE

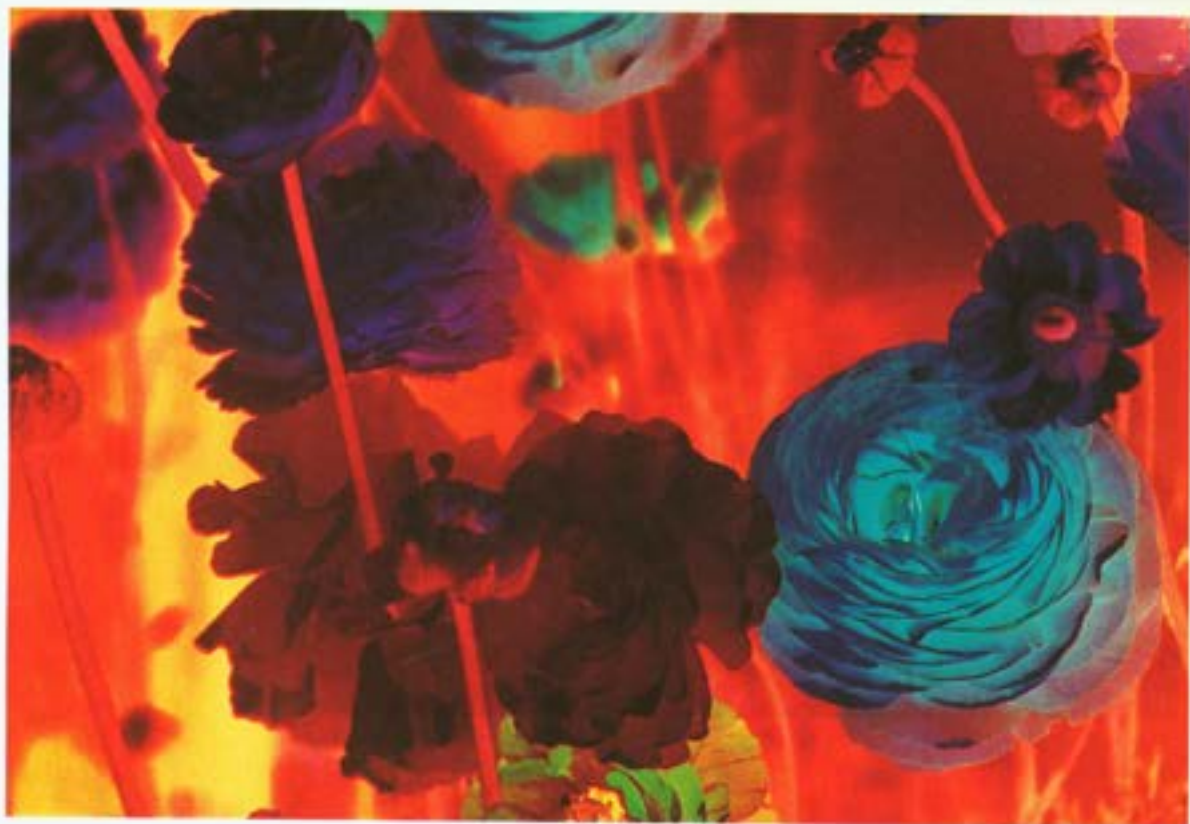
Abstracts
(Color)

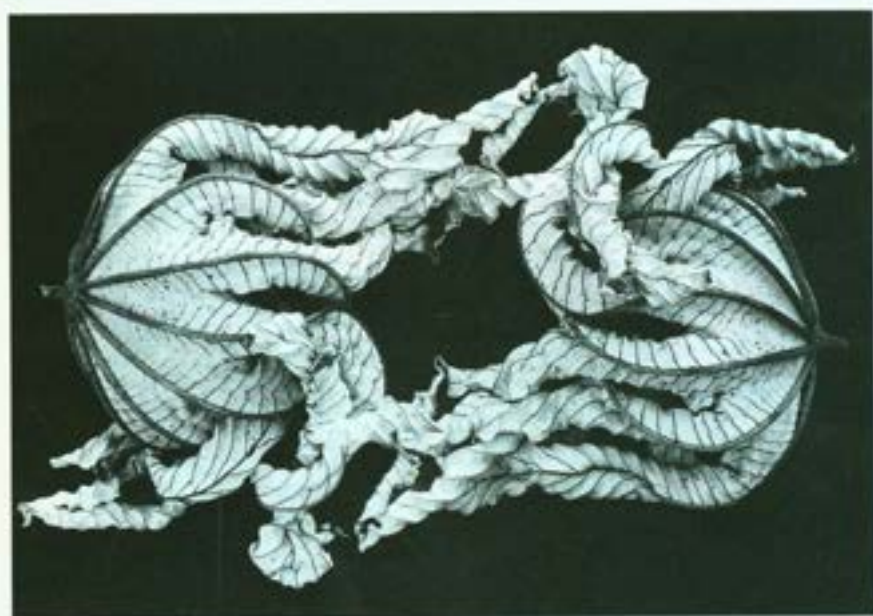
JOAN RUDZEWSKI
Vancouver,
British Columbia, Canada



Crystals
(BELOW, RIGHT)







SECOND PLACE

Abstracts
(Black and White)
JAN NEWHART
Honolulu, Hawaii



Dead Leaves
(LEFT)

FIRST PLACE

Landscapes
(Black and White)
ARLA ALTMAN
Pomona, California



Dawn at Great Falls,
Virginia
(RIGHT)

FIRST PLACE
Abstracts
(Black and White)
STEVE NOZICKA
Chicago, Illinois



Sand Dune in
Death Valley,
California
(RIGHT)



Join The Sierra Club. And Bring A Friend.



Photo by Art Wolfe/Tony Stone Images

A Sierra Club membership is the perfect gift to give yourself, or a friend. Gift memberships start at just \$19 and include our 1996 Engagement Calendar, a \$10.95 value, absolutely free. This year, bring your friends a gift that will do a world of good. Give a gift membership to the Sierra Club.



Gift Membership

Gift From:

A gift announcement card(s) will be sent for your use.
Enter your name and address below.

NAME _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____
WORK PHONE NUMBER _____

I would also like to join Sierra Club. \$35 Regular \$19 Introductory

Gift To:

- Send calendar to my address
 Send calendar directly to new member
 \$35 Regular \$19 Introductory

NEW MEMBER NAME(S) _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____

Gift To:

- Send calendar to my address
 Send calendar directly to new member
 \$35 Regular \$19 Introductory

NEW MEMBER NAME(S) _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____

Contributions or gifts to the Sierra Club are not tax deductible as charitable contributions. Annual dues include subscription to Sierra magazine (\$7.50) and chapter publications (\$1) and other member-only benefits. Check Money Order MasterCard VISA

MEMBER'S NAME _____
CARD NUMBER _____ EXPIRATION DATE _____



One Earth,
One Chance®

105LSRL001

Enclose check, money order or credit card
information and mail to:

Sierra Club

PO Box 52066, Boulder, CO 80522-2066



Benefits

Help The Planet

Sierra Club members have the satisfaction of helping preserve irreplaceable wild lands and wildlife through congressional lobbying and grassroots action.

Sierra Magazine

Members stay well-informed with a one-year subscription to award-winning Sierra magazine. Filled with spectacular nature photography and in-depth reporting on the hottest environmental issues.

Discounts

Members receive discounts on all Sierra Club logo items including our distinguished books and celebrated calendars.

Worldwide Outings Program

Travel to the far corners of the earth — paddling or pedaling, ski touring or trekking. We offer hundreds of exciting outings, from the tundra to the tropics. Members can even build trails, preserve archeological sites and help clean up the environment on our exhilarating Service Trips!

Local Chapter Membership

Members receive up-to-date news on local conservation issues and invitations to chapter events, and can also volunteer for local or national conservation campaigns.

TEAR OFF ENVELOPE HERE.
ENCLOSE MEMBERSHIP FORM(S), WITH CHECK OR MONEY ORDER, IN THIS POSTPAID ENVELOPE.

THIS ENVELOPE IS FOR MEMBERSHIP FORMS ONLY.



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST CLASS MAIL PERMIT NO. 1118 BOULDER CO

Postage will be paid by addressee

Sierra Club

PO Box 52968

Boulder, CO 80521-2968





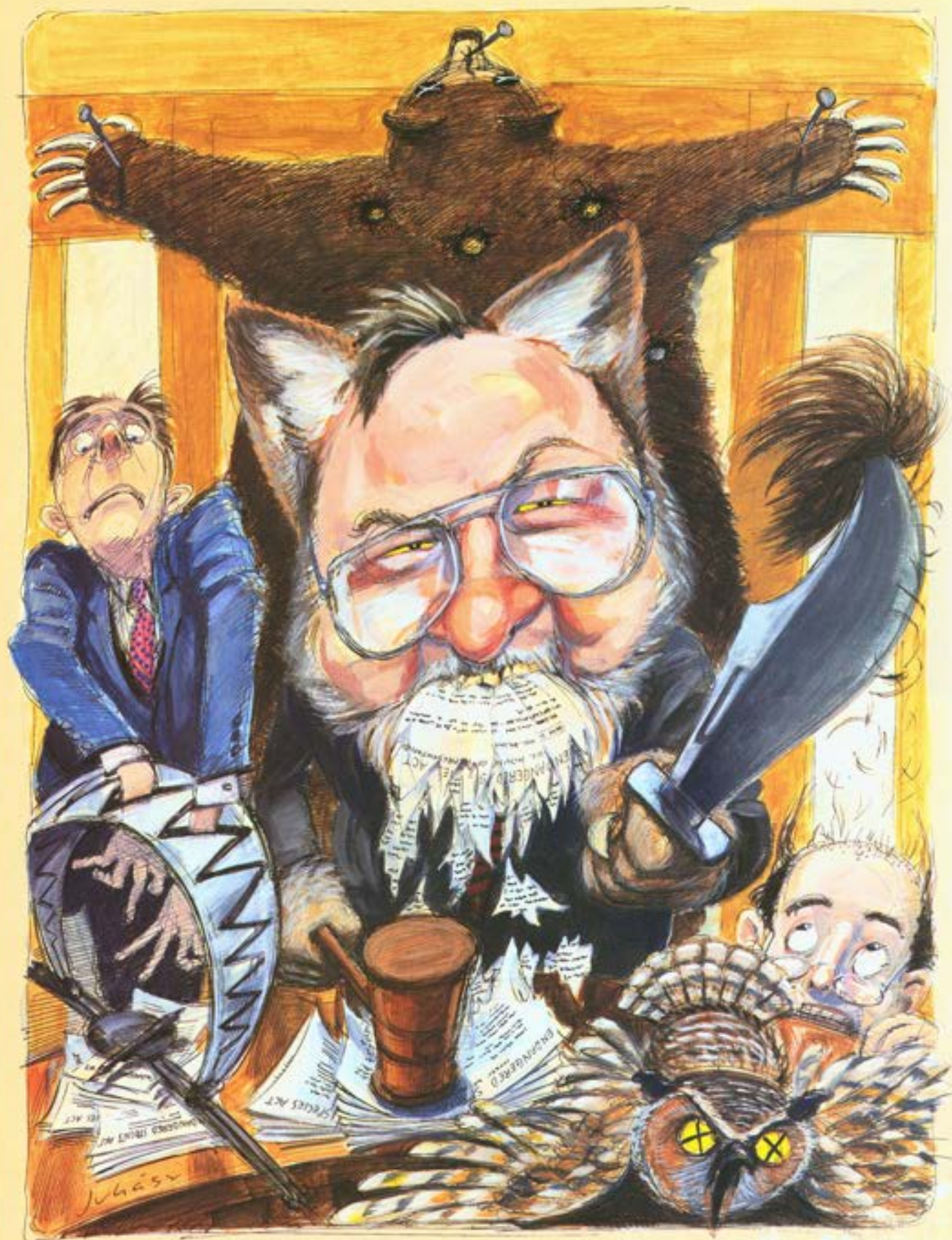
SECOND PLACE

Landscapes
(Black and White)
D. A. HORCHNER
Salt Lake City, Utah



Rebirth: Black Oak in Winter
Yosemite National Park
(NIGHT)





CONGRESSMAN DON YOUNG HAS LONG DESPISED ENVIRONMENTALISTS, HUNGERED FOR DEVELOPMENT, AND SCORNEWED WILDERNESS. NOW HE'S IN A POSITION TO DO SOMETHING ABOUT IT. BY B.J. BERGMAN

Republicans were still savoring the ambrosia of congressional rule when the House Resources Committee sent for Bruce Babbitt, the Clinton administration's point man on public-lands protection. A former governor and presidential candidate, the erudite interior secretary took his seat, settled his gaze upon the bristly, bearded man at the head of the dais, and signaled his submission. "Mr. Chairman," Babbitt cooed, "I have no doubt about who the alpha wolf is in this room."

Don Young could scarcely have been more pleased. For two decades the burly Alaskan had done his aggressive best to establish dominance over environmentalists. He had made a career in Congress as an attack dog for development interests, fiercely denouncing every effort by "outsiders" to protect his state's sprawling wilderness. Yet conservationists have been equally stubborn, and the aging warrior, frustrated and marginalized, had been flirting with retirement for years.

But what a difference an election day can make. The 1994 GOP congressional sweep rejuvenated Young; when the dust cleared, he found himself in charge of the influential Resources Committee, long a wellspring of forward-looking public-lands legislation. Chairman Young has other plans for the panel. His own vision is reflected in his Rayburn Building office: decked out in classic Early Machismo, it features such homey touches as a giant Kodiak bearskin, a small armory of hunting rifles, and a discarded chunk of the Alaska pipeline. The gentleman from Alaska, who ignored repeated requests from *Sierra* for an interview, has made it a point to host strategically selected reporters and photographers here since taking the reins of Re-

sources—the better to spread his legend beyond the Beltway, the great state of Alaska, and the widening circle of hapless souls who have provoked his rage.

Rage is a recurring theme in the Don Young saga. There was, for example, the time he waved a knife while haranguing green-leaning New York Congressman Robert Mrazek on the floor of the House. Or the time he angrily brandished a walrus *oošik*, or penis bone, during testimony by Mollie

Beattie, director of the U.S. Fish and Wildlife Service. ("You won't believe this," Representative Gerry Studds told Beattie, "but this is one of his relatively mellow days.") The list goes on. In the course of one difficult re-election campaign, he took out newspaper ads to ask Alaskans to forgive his behavioral lapses. They did. Besides the

candidate himself, no one was more relieved than the state's political cartoonists, for whom Young is a wholly renewable source of satiric inspiration.

Representative George Miller (D-Calif.), the man Young displaced as Resources chair, has witnessed much of the *Sturm und Drang* up close. "Sitting next to this guy for 18 years is like sitting next to Vesuvius," he says. "I'm never quite sure when he's gonna go off, I'm never quite sure if he's gonna pull a knife, I don't know if he's gonna stick it in my leg, or what."

"Don Young," deadpans Maryland Republican Representative Wayne Gilchrest, "does not mind confrontation."

The 62-year-old Young, a perennial underdog since his arrival in Congress in 1973, has only been emboldened by his abrupt rise to the top of the congressional food chain. Soon after November's

LEADER of the PACK

Illustration by Victor Juhász

"SITTING NEXT TO THIS GUY FOR 18 YEARS IS LIKE SITTING NEXT TO VESUVIUS," SAYS CONGRESSMAN GEORGE MILLER. "I'M NEVER SURE WHEN HE'S GONNA GO OFF."

elections, he howled his outrage at "the high, elite environmental community . . . the self-centered bunch, the waffle-stomping, intellectual bunch of idiots that don't understand that they're leading this country into environmental disaster."

There was more. The federal government, Young charged, has been "infiltrated by the preservationists. This is a socialist movement. That's all it is." And he barked a warning to tree-hugging fifth-columnists everywhere: "I'm the one that's in charge now," he bragged. Environmentalists "are going to have to compromise. If not, I'm just going to ram it down their throats." His bill of fare, a Christmas feast for polluters, includes rollbacks of the Endangered Species Act and wetlands protections, new rules to make "property rights" safe from the reach of regulators, auctions of public lands, and that hundred-pound fruitcake of anti-wilderness proposals, oil-and-gas exploration in the Arctic National Wildlife Refuge.

"He says without any hesitation, without any equivocation, without any parenthetical statements, that he is changing the priorities and the role of this committee," says Representative Maurice Hinchey (D-N.Y.), one of Resources' strongest voices for wilderness. "He says that at every opportunity. And he also says things about his longevity, how he plans on being here for a long time and continuing to do these kinds of things long into the future. That's the rhetoric. We're waiting for the ocular proof, as they say."

For Miller, though, two decades of eyeball-to-eyeball confrontations with the new chairman are proof enough. "He is a very serious threat to the environmental agenda," declares Miller soberly. "A very serious threat."

THE 1951 SUTTER UNION HIGH SCHOOL YEARBOOK contains a valedictory prediction for Donald Edwin Young, then a pompadoured 18-year-old letterman on the Northern California school's football team, the Huskies. It foretells that "Rabbit" Young—nicknamed for the Lepus-like set of his front teeth—will one day be a Democratic senator. His classmates weren't in the dark about his political leanings. "We put that in just to get his goat," says one fellow Sutter alum.

"He's always been a strong Republican politico," confirms Wayne Gadberry, who met Young when both were undergraduates at Chico State College. He was also "as nice a guy as you'd ever want to meet." Yet the gregarious, competitive future congressman had a taste for verbal combat. "Don had opinions. If he disagreed with you he'd let you know about it."

That youthful contentiousness took root in icy Fort Yukon. Lured by Jack London's *The Call of the Wild*—the tale of Buck, a pampered dog who goes on to lead a pack of wolves—Young headed north in 1959, Alaska's first year of statehood. But it would be more than a decade before an adversary worthy of the name would furnish him with a political *raison d'être*. He found work as a schoolteacher and sometime tugboat captain. He won a seat in the Alaska House in 1966, and moved up to the state senate in 1970. His northern district was enormous, his constituents few and far between. His tenure was unremarkable.

His departure was not. In 1972 he was tapped by state Republican leaders to challenge Alaska's freshman Democratic congressman, Nick Begich. Young was given no chance against the popular incumbent. Then, with just weeks left in the campaign, a plane carrying Begich and House Majority Leader Hale Boggs disappeared en route from Anchorage to Juneau. Begich, still missing when election day rolled around, won handily anyway. But his body was never recovered, and in March of 1973 Alaskans were asked to choose a new representative from the state's only congressional district. Young, the political lamb spared from sacrifice, eked out a 2,000-vote victory over a last-ditch Democratic replacement even more obscure than himself.

Environmentalists barely noticed. It was a heady time for the movement, which had been on a roll since the first Earth Day just three years before. In 1973 the Endangered Species Act was introduced, and the fledgling congressman voted in favor of passage. But trouble was brewing. Alaska's pro-development "boomers," anxious to capitalize on the huge 1967 oil strike in remote Prudhoe Bay, demanded a trans-Alaskan pipeline through 800 miles of roadless permafrost; enviros opposed it. Boomers eventually got their pipeline. To allay environmental concerns, however, they had to place it on stilts, which helped push completion back to 1977. Young has never forgiven environmentalists for delays in getting Prudhoe's oil (and oil revenues) flowing.

As the 1970s drew to a close, one of the nation's most significant conservation victories was taking shape: the protection of 104 million acres of wildlands under the Alaska National Interest Lands Conservation Act. Backed by environmental organizations throughout the United States, the measure was the most sweeping wilderness bill in the nation's history. For Young—who holds that Alaska lands are Alaska's business—it was a personal affront. When his colleagues voted to approve the bill, Young condemned the action as "immoral." Then, on the floor of the House of Representatives, he wept.

The next rounds were fought over the 19.5-million-acre Arctic National Wildlife Refuge. Despite its highly speculative nature, Young views oil exploration in the pristine refuge as key to the state's economic future. For Gwich'in natives, however, the future is directly tied to protection of the refuge's 125-mile coastal plain. This stretch of Alaska's North Slope is the springtime calving ground for the 160,000-strong Porcupine caribou herd, on which the Gwich'in depend for subsistence and cultural identity.

With the Gulf War raging in 1991, oil industry allies in Congress launched a major assault on the refuge. It was Young who brought the war home to Alaska. Among the witnesses at a hearing in Anchorage was Sarah James, a delegate from the Gwich'in Steering Committee, an alliance of eight tribal villages. Young "lit into" her, recounts one veteran activist, "in a way that I never imagined an elected official would talk to constituents." The *Anchorage Daily News* re-

ported that Young "attacked" the soft-spoken James for her opposition to drilling. "You can't have it both ways," he lectured. "Your snowmobiles are run by gasoline. Your schools are run by the oil revenues that come from Prudhoe Bay."

"He yells and raises his voice and doesn't bother to listen to the answer. He made it very difficult to respond," recalls James, who adds that "respected tribal chiefs" have received similar treatment. "He has no respect for our traditional people or for environmentalists. He only cares about what he wants—he doesn't have that concept of 'listen and learn.'"

Young, who married his Gwich'in wife, Lula, after settling in Alaska, seems to believe he knows best for the Gwich'in, who have lived here for thousands of years. Play or pay, he admonishes. Either work with him to ensure that oil companies consider their needs, or watch helplessly as the calving ground is destroyed by drilling—which, he warns, will proceed with or without their cooperation.

ALASKA'S TERRIBLE TRIO

ALASKA FINALLY HAS CLOUT to match its wilderness. That's bad news for wilderness.

Thanks to last year's GOP electoral sweep, the state's three-man, all-Republican congressional delegation is sitting pretty. Not only does Representative Don Young have one of the best seats in the House as head of the Resources Committee, but Frank Murkowski now chairs that panel's counterpart in the upper chamber, the Senate Energy and Natural Resources Committee. They are an unlikely pair—the vituperative Young, a onetime tugboat captain, and the drab Murkowski, a former banker. But on such issues as opening the Arctic Refuge to drilling or drastically upping the timber cut in Tongass National Forest, they pose a formidable one-two punch for development interests. Ted Stevens, the undisputed brains of the outfit, backs up their brawn as number-two Republican on the Appropriations Committee.

"No state has ever had both chairs of the two authorizing resource committees before," says Sierra Club Honorary President Edgar Wayburn, who notes that Young and Murkowski each won re-election with the votes of fewer than 130,000 Alaskans—yet are now poised to turn over the public lands of more than 250 million Americans to private oil, timber, mining, and real-estate interests. Murkowski, a Seattle native and a member of the Capitol newspaper *Roll Call's* "Senate Millionaires Club," is by temperament and training the candidate of big business. In his first year as head of the Energy Committee, he has quietly taken

aim at logging restrictions in the Tongass and at the Alaska National Interest Lands Conservation Act itself, targets he shares with his more vociferous colleague in the House. Murkowski is one of a handful of surviving members of the 1980 Senate class, part of the "Reagan revolution."

Stevens, Alaska's senior senator, has won election five times since Governor Wally Hickel appointed him to a vacant seat in

majority leader to reserve bill-number S.39—identified with Alaska-wilderness legislation since the late 1970s—for his own rewrite of the Magnuson Act, which regulates commercial fishing off the U.S. coast. The change created logistical and financial headaches for conservationists, who were now forced to get the word out to a generation of activists that S.39 no longer stood for wilderness protection.



From left: Senator Ted Stevens, the consummate Washington insider; Representative Don Young, hellicopter development booster; and Senator Frank Murkowski, the millionaire Reagan revolutionary.

1968. Like the rest of the anti-outsider Alaska delegation, he hails from the Lower 48. Born in Indianapolis, he is a Harvard-trained lawyer with a strong command of parliamentary procedures and a talent for tucking obscure provisions into the nooks and crannies of complex bills. He is a consummate Washington insider: in 1984 he unsuccessfully opposed Bob Dole for his party's leadership. Like Dole, he also has a mean streak. Just weeks after November's elections, Stevens convinced the incoming

Development's dream team is already showing off its footwork. When Murkowski held hearings recently in Alaska on his bill to force the Forest Service to subsidize thousands of timber jobs in the Tongass, he met with vigorous opposition from his constituents. The surprised senator retreated. Meanwhile, Stevens simply attached a Tongass rider—less conspicuous than Murkowski's bill, but no less destructive—to an Interior Department appropriations bill. —B.J.B.

DON YOUNG IS UNRIVALED IN HIS FERVOR FOR DEVELOPMENT AND HIS CONTEMPT FOR THOSE WHO STAND IN ITS WAY. AS HE PUTS IT, "NOBODY MESSES WITH ME."

Young is not alone, of course, in his obeisance to Big Oil. There is no escaping the industry's influence in Alaska. While the federal government supplies the greatest share of the state's jobs, the oil industry supplies nearly all of its revenues. Alaskans pay no income or sales taxes. In fact, thanks to the so-called Permanent Fund, a cash reserve fueled by oil proceeds, they receive annual payoffs: \$983.90 to every man, woman, and child living in the state last year. Concludes Lenny Kohm, a Sierra Club activist dedicated to defending the Arctic Refuge: "That buys a lot of votes."

Nevertheless, many voters do not share Young's penchant for resource destruction—as they showed in his 1992 re-election bid, which he won with a thin 47 percent plurality. "Alaska is really polarized between people like me who came here to get away from development and people who see Alaska as the last frontier," observes Jackie Canterbury, an emigrant from Washington State. Canterbury, who serves on the boards of the Tongass Conservation Society and the Southeast Alaska Conservation Council, calls herself "a mainstream American" whom Young has chosen to ignore. "To me he represents the corporations. He doesn't represent the people. I think he thinks people who care about the land are morally wrong. He sees people like me as communists."

While Young might concede the latter point—he once baited mining-reform advocates by reading aloud from the Communist Manifesto—he insists he is battling to save working people from "no-growth" environmentalists. He favors development, he maintains, because development means jobs. It also means big bucks from corporate PACs: oil-and-gas companies contributed more than \$114,000 to his 1994 campaign alone, or nearly one dollar of every eight from all sources combined. But Young is more than a bought-and-paid-for capitalist tool. Timber-related concerns, for example, came up with a modest \$19,000—less than commercial fishing interests, which depend on healthy forest ecosystems—and mining firms gave him barely \$10,000. Extraction, for Young, appears to be largely a labor of love. Even by the standards of Alaska—whose former governor, Wally Hickel, uttered the deathless battle cry, "You can't let nature run wild!"—he is unrivaled in both his fervor for development and his contempt for those who stand in its way.

"The theme over and over again is anti-environmentalist," says David Finkelstein, a former Sierra Club volunteer now in his fourth term in the Alaska legislature. "It's very, very negative. But not everyone agrees with Don Young."

IF YOUNG DISLIKES ALASKAN ENVIRONMENTALISTS, HE loathes the breed found in the nation's capital. "There's 57 different organizations that live around this hill that make a living telling the farmer he's wrong, that make a living telling the guy who's cutting a tree down that he's wrong, that make a living telling everyone that man's occupation on the earth is a cancer on the earth," Young fumed in January. "That's why I get so frustrated with them, because they are the most despicable group I've ever dealt with."

What Young views as the arrogance of environmentalists is embodied in the 1973 Endangered Species Act, which, he complains, lets "idiots" in Washington run roughshod over property owners. Although he helped pass it then, he now claims that supporters had "envisioned trying to protect, you know, pigeons and things like that. We never thought about mussels and ferns and flowers and all these subspecies of squirrels and birds."

Soon after taking the helm of Resources, Young set up a special task force to hold hearings on the act—thereby taking the gavel away from Representative Jim Saxton (R-N.J.), a strong supporter of the act, who chairs the subcommittee that would normally have jurisdiction. For his task force chief Young drafted second-term Richard Pombo (R-Calif.), who presided over a series of staged denunciations of the current law by a hand-picked procession of farmers, ranchers, and other "private-property rights" advocates. Environmentalists were systematically excluded from testifying on behalf of the act; children who did were hooted at. (See "Stacking the Deck for Extinction," *Priorities*, July/August.)

"In the beginning, the task force looked like, sounded like, acted like, spoke like they wanted to repeal the Endangered Species Act," says Maryland's Gilchrest, a proponent of tough species-protection who asked to be added to Pombo's panel—and later threatened to quit in protest. "And to Don's credit he said to me in January he didn't want to repeal the act, he just wanted to reform it." ("There's nobody here that's for the repeal of ESA," George Miller notes sardonically. "You know, I'm not for killing you. I'm just going to take your heart out.") But when Gilchrest wanted to broaden the task force's horizons by holding a hearing with actual scientists—including Pulitzer prize-winning Harvard biologist E. O. Wilson, Zoo Atlanta Director Terry Maple, and Cornell University entomologist Thomas Eisner—he was flatly rebuffed. Then Newt Gingrich stepped in.

The House Speaker and Young are, in the words of one observer, "not friends." Gingrich once backed a bill to pro-

Continued on page 71



Kevin Carter/Hege

Help stop a different kind of child abuse.

This abuse is merciless. It preys on innocent, fragile lives and brutalizes them with utter poverty...with constant hunger...with relentless diseases...with no hope for even a basic education.

As hard as parents of children like this struggle, they simply can't make the ravages of poverty go away.

But you can help. You can ease the pain. Become a Save the Children sponsor and help stop the horrible abuse that poverty inflicts on children.

Your monthly gift of just \$20 to Save the Children will be combined with the gifts of other caring sponsors to benefit an entire community of children. Instead of direct hand-outs, your gifts will help establish community self-help programs, enabling your girl or boy to receive the food, medical care and education he or she so urgently needs.

Please call or mail the coupon below today and say you'll become a Save the Children sponsor. Only 65¢ a day from you will help rescue a girl or boy from the most horrible kind of

child abuse – and replace it with vitality and hope.

Please call 1-800-257-6262
Or mail coupon below today.

I want to help put an end to a different kind of child abuse.

My first monthly sponsorship contribution of \$20 is enclosed.
I prefer to sponsor a boy girl either in the area I've checked below.
Please send my child's photo and personal history.

Where the need is greatest

<input type="checkbox"/> Africa	<input type="checkbox"/> Caribbean	<input type="checkbox"/> Middle East	50310/3175
<input type="checkbox"/> American Indian	<input type="checkbox"/> Himalayas	<input type="checkbox"/> South America	
<input type="checkbox"/> Asia	<input type="checkbox"/> Central America	<input type="checkbox"/> United States	

Name _____

Address _____ Apt. _____

City _____ State _____ Zip _____

Instead of becoming a sponsor at this time, I am enclosing a contribution of \$ _____
Please send me more information.

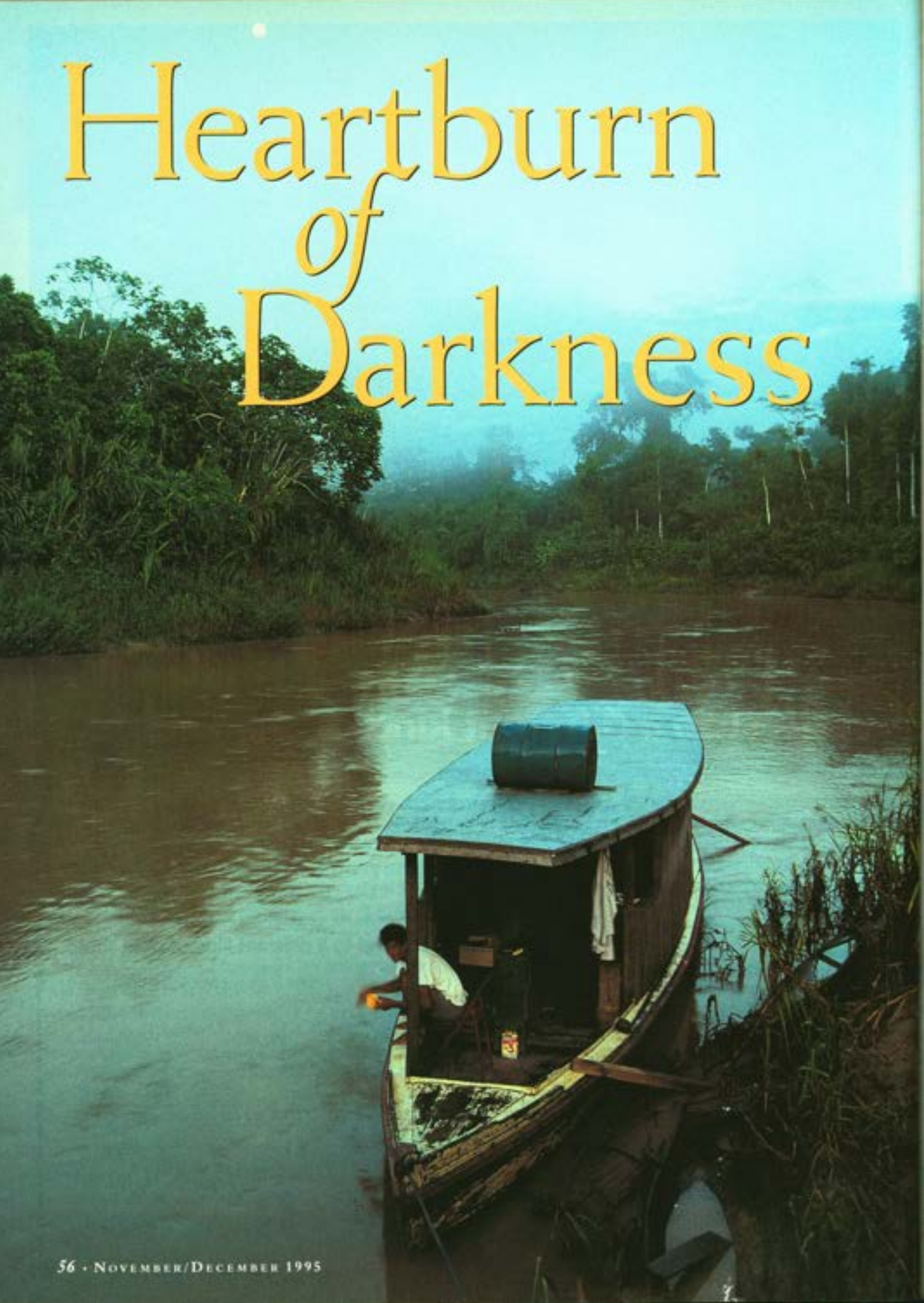
Established 1939. The original child sponsorship agency. YOUR SPONSORSHIP CONTRIBUTIONS ARE U.S. INCOME TAX DEDUCTIBLE. We are indeed proud of our use of funds. Our annual report and audit statement are available upon request. ©1999 Save the Children Federation, Inc.



Save the Children.

50 Wilton Road, Westport, CT 06880

Heartburn *of* Darkness



Jaguar jerky, tapir T-bone, monkey meat. We're not in São Paulo anymore, Toto. Er, Toto?

My pants are dropped around my ankles in the airport rest room. The Brazilian federal policeman, hoping either to discredit the environmental movement or to make the bust of his career, is searching my insect-ravaged, malaria-racked, explosively diarrhetic body. If this guy decides to probe, I'm thinking, justice will be served.

It passes through my feverish mind that this humiliation might be cosmic punishment for having eaten jaguar. In fact, I've just spent three weeks among people who snack on tiny rare monkeys and pop toucans like Froot Loops; people who, ironically, just may be the salvation of the Brazilian Amazon.

Whatever the reason for our arrest, my two student companions and I are in the Cruzeiro do Sul International Airport having our bare butts ogled by a crowd of curious rest

room onlookers. I explain to the federal detectives that our expedition into the upper Juruá River Valley had simply distributed educational supplies. Refusing to believe that illiterate people want books, the policeman is convinced that we had a sinister motive. Actually, it's no wonder we had raised suspicions. Decked out in Banana Republic khakis, we had outfitted our expedition in this wild riverfront town, paying with big wads of donated corporate cash. We rented a 60-foot riverboat, the *Padre Josimo*, complete with a two-man

crew and a cook, and stocked it royally. We dined with local rainforest crusaders, enjoying the irony that rich Brazilian and American companies were picking up the tab.

Maybe it was that dinner that had attracted federal attention. Our guest was Antonio Macedo, who continues the work of the late Chico Mendes, assassinated in 1988 for his environmental and labor-organizing activities. Macedo (himself a survivor of three murder attempts) is trying to unite Indians, environmentalists, and rubber tappers in defense of the rainforest. He has also helped our group from Escola Graduada, São Paulo's American school, organize three journeys into the Upper Juruá to dispense donated books, pencils, maps,

lesson plans, and teacher-training to jungle schools—in most cases, the only outside help they have ever received.

So there were fellow teacher John O'Brien and I, along with three Escola Graduada students, entertaining a group of Macedo's friends at Cruzeiro do Sul's best restaurant, when a federal senator and some local politicians walked in the door. Like the saloon scene in a bad Western, everyone became quiet and tense. Macedo introduced us as "the teachers from America." The senator and his friends, dressed in power suits despite the tropical heat, gave us surly nods and took the neighboring table. Both groups ate in silence.

Here in the airport, I'm wondering if hanging around with Macedo is like standing too near a lightning rod. At least he has a shotgun-wielding bodyguard who once blew the hand off a would-be assassin. We, on the other hand, have the federal police poking around in our underwear, perhaps hoping

to embarrass Macedo by finding the American teachers' stash of drugs.

The flight is delayed while our luggage is taken off the plane and dumped onto the steaming tarmac. As we walk to our bags, I hear Rob say, "There goes my gun." Gun? The gun! The 20-gauge shotgun that had seemed like such a good idea going into the jungle—lions, tigers, playing Rambo and all—may now ruin our whole day. Rob and D.J. had both bought weapons before we headed up river. D.J. still has his back in the hotel where he and John plan to stay a few more days.

Rob's is in his bag, waiting like a ticking bomb. The two cops root around in our bags, sniffing like dogs. They find the gun and ask for the paperwork, causing Rob to turn white and make Porky Pig noises ("bdee, bdee, bdee"). I'm lost in malarial delirium, but our Brazilian student Alex is still in the game and saves the day by using the gun to negotiate our freedom: we don't have the gun's papers, but we don't have any drugs either, so they can keep the gun if we can go home.

On the long flight back I look over my river journal. The malaria helps produce a film noir flashback effect: river memories form like heat waves in the rainforest, and the airplane engine's roar is soon replaced by the drone of a jungle riverboat...



Left: the Rio Tejo flows through rubber country. Above: Amazonian rubber tappers with leftovers.

TEXT AND PHOTOGRAPHS
BY BILL GANN

Six hours up the Jurua River, and little has changed since Cruzeiro do Sul. It will take us three days to reach the 2,000-square-mile "extractive reserve" in the Upper Jurua Valley, one of the four created by the Brazilian government in the wake of worldwide uproar over Chico Mendes' murder. The term, coined by anthropologist Carlos Teixeira, describes a simple idea—extracting useful products from the forest without destroying it. A simple idea, but a dangerous one: the ranchers killed Mendes, leader of the *seringueiros* (rubber tappers), because of it. Mendes' murderers subsequently escaped from jail in Acre state, and are now at large in this very part of the far-west Amazon.

Mendes felt the Amazon should be controlled by people who know and love the forest, and depend on it for survival. This, of course, brought the ire of a Brazilian aristocracy that has traditionally profited from the destruction of the rainforest. Indeed, to promote development of the Amazon region, the elite are granted title to massive tracts of forest. Gunmen are hired to kill or chase off Indians or other forest people in a process called *limpeza*, or "cleaning." Cleaned land fetches a higher price, and might at this point be sold to eager foreign logging or mining interests. Enormous tax advantages are also given to those who simply burn the forest and call the charred result a ranch. Most of Acre (the size of Illinois) is owned by 130 people.

Mendes' interference with this time-honored method of making the rich and poor more so earned him his death sentence. In addition, people like Mendes and Macedo mock the favorite argument of the Brazilian gentry, that all Brazilians want the rainforest developed. Rainforest profiteers love to point to the destruction of forests in the northern hemisphere and tell the outside world to mind its own business. But the likes of Mendes and Macedo give the world's environmentalists a local lever on Brazilian politics, and that gives the *seringueiros* added clout. And that makes them a threat.

Up the river, we swim in a copper-colored lagoon with Macedo. Solemnly, he says that we should enter the forest respectfully. "Let the water know you are in harmony with it and nothing will hurt you," he tells John and me, who watch earnestly as he looks mysteriously about the jungle. "Put your hands flat," he says, laying his on the water's surface. "Raise your arms to the sky, and the water will know your spirit." He recommends doing this several times. Then he smiles slyly. "It also scares away the stingrays."

Stingrays and other sea creatures—like the pink dolphins now leaping in rainbow arches off our port side—were stranded here in the jungle 150 million years ago in the Mesozoic era when the separation of South America and Africa pushed up the Andes and

changed the Amazon's direction. Now Macedo and his followers hope to transform the Amazon again, leading it from the ravages of clearcutting, mining, and ranching to the benign and sustainable harvesting of rubber, Brazil nuts, fruits, and medicinal plants.

"What we demand is a complete reorientation of Brazil's approach to the Amazon," Mendes told *The Boston Globe* just before he was killed. "It is the last hope for the rainforest, which is the hope for man."

Time is short, as the last hope for man is going up in smoke. A nightmare vision was revealed earlier on the night flight from Los Angeles to São Paulo, when for almost half an hour over Colombia we flew above burning rainforest. Thousands of fires, some small, others the size of Yosemite, blazed on the horizon in every direction. According to the pilot, the inferno was a common sight. When we passed into Brazil, the fires thinned; by the time we flew over the Jurua Valley, the primeval darkness had returned.

Snaking up that valley now in the *Padre Josimo* (a boat named after Padre Josimo Moraes Tavares, who was also killed for supporting land reform in Brazil) past the stick houses of the people whom environmentalists hope will extinguish the Amazon's firestorms, the struggle seems dangerous and futile. As we go ashore to pass out our meager



Tappers say rubber trees become accustomed to an individual's touch. Opposite page: washing machine, duck pond, drinking fountain.

supplies, it is evident that there is one major flaw in the rosy scenario of rubber tappers as saviors of the forest: no one is buying Amazon rubber. Even Brazil's own manufacturers import cheaper Asian latex. The forest people's situation is consequently pitiful, with many almost starving. One old man even tells me he'd rather see the return of the "Boss System," where the rubber tappers were held in debt peonage to the rubber barons. "At least then we always had enough to eat," he says. The man was a "soldier of rubber," a veteran of the army of rubber tappers that had been sent into the jungle during World War II to make up for the lost supply of Asian rubber. Like the rest of his comrades, the old man was deserted after the war, never receiving his promised pension from either the United States or Brazil.

After years of dependence on the rubber barons, many *seringueiros* are not totally at ease with the liberty of the extractive reserve. Emancipation left them in desperate need of education; most people here can't read, write, or do simple mathematics. Years of eating canned horse meat supplied by company stores left many lacking even basic survival skills. In the old days, the punishment for growing a vegetable garden was to have your house burned, and because the Indians were always considered enemies, the tappers failed to learn the ways of the forest. They know how to tap rubber trees, and little else.

At a school on the Amonia River, for instance, the children drink water from an unprotected spring where ducks swim, animals roam, and everyone washes clothes. A boy doesn't believe me when I tell him he can get sick from such water. At another school, I show a teacher our home states on the map we distributed on our last visit. She and her students seem confused when I ask them to show me the location of Cruzeiro do Sul on the map, and all point downriver instead. It turns out the teacher can't read, doesn't know what a map is, and thinks we're saying that we come from spots on the wall.

To reach the schools up the shallower tributaries, we dock the *Padre Joaquin* and continue our journey on a smaller boat that looks like the *African Queen* but has no name. I wonder why, since in the last 20 years Brazilian landowners have contracted over 1,600 killings of activists. No shortage of martyrs here—enough to name an entire fleet.

We are joined by Francisco Xavier Nunes Ramos, the

president of the reserve, known as "Dolo" among the *seringueiros*. (His cousin, Larindo Liminoguerra, is our motorman and guide.) Dolo sees the reserve as a social experiment where poor people can become independent through agriculture, hunting, gathering, bartering, and selling extractable products. He preaches solidarity wherever we stop, encouraging his constituents to be patient until conditions improve. "Soon," he promises, "the price of rubber will go back up."

While we wait for the global commodity market to come around, Dolo takes us to a school and medical post on the Upper Juruá run by a *seringueiro* leader called Augusto. Sitting on his porch I watch misty clouds scrape the treetops and turn golden as they cross the

river. John talks to Augusto and his brothers out front as the grass still steams after a passing storm. Augusto's brother is a hunter and is reciting the menu for our upcoming dinner: deer, wild boar, and *anta*. *Anta*? My Portuguese/English dictionary says this is a tapir, largest beast in the forest. It's a pachyderm, like a little hippo. I'm thinking there are probably a dozen or so left on the planet, and our dinner is likely to cause a major disruption to the ecosystem.

Anta à la brésilienne is good, though, like stewed beef permeated with the flavor of some secret jungle herb, and everyone assures me it isn't endangered. As a side dish we have turtle served with rice, beans, and powdered manioc root. Delicately, our expedition members leave those pieces still showing scales and toenails for the local gourmands. The deer and pig are not as exotic and go down with less guilt.

In the pre-dawn haze I hike to Boca do Tejo, a gloomy

My hammock is soaked with sweat. My stomach has a new burning feeling since the cook brought me some foul-smelling goat meat. I've had all the fun a body can have in the Amazon.

settlement that serves as headquarters of the reserve. Its ill-chosen site is marshy and infested with vampiric insects, the ground so mushy that raised walkways are necessary to go from one sad structure to the next. The optimistically large cooperative warehouse is open and empty: no one comes to sell worthless rubber or to buy nonexistent supplies. The emptiness feels eerie and cruel. It's hard to believe that only a couple years ago, when Amazon rubber brought a higher price, this was a busy trading post.

One can almost hear the lumber companies, ranchers, and rubber barons laughing. It's hard to see how the extractive



reserves can continue as they are. Now, the seringueiros only know how to form the smoked rubber into huge chunks to float down the river. Dolo argues that finding a market for Amazon products is the key to success. If they made things like sandals and bags out of the latex they gather, the world would happily buy products from the rainforest. Even if the rubber tappers don't learn new skills, with the right marketing, Amazonian rubber could give some manufacturers the competitive edge: California surfers could boast that their wet suits were made of "like, you know, Amazon rubber." And, after all, natural rubber still makes the best condoms.

Yet the stark reality of Boca do Tejo is that Amazon rubber simply cannot compete with Asian or synthetic latex, and the seringueiros only care to talk about the rubber's price. While Dolo seems to pander to this interest when he meets with small groups, he also warns that they must look for new extractable products.

Back on the river, Dolo is teaching Alex to steer the boat. With its chain-operated rudder and long-shafted motor, the boat doesn't seem to go where one points it, and navigation is a difficult job. Alex is making himself at home—as well he might, since his prominent Brazilian family owns a fair chunk of the Amazon. Dolo, watching Alex steer, is wearing a T-shirt advocating agrarian reform. I hear John and D.J. talking up on the boat's roof, wondering if giving people maps and books they can't read accomplishes anything. I watch Alex and Dolo, representing the elite and oppressed of Brazilian society, and realize that education is happening anyway.

That afternoon Dolo leaves us, hopping a ride up the Bage River with some friends passing in a dugout. Near sunset, we come upon a father and son hunting from a canoe. Their dog, contrary to reserve rules, is chasing a deer; the boy paddles as the father fires a shotgun. White smoke rises as the man sets the gun down, grabs a machete, and springs onto the wounded deer that has splashed into the river. Alex expertly steers us toward the bank but Larindo, who is now acting as a reserve official in Dolo's absence, says nothing about the dog and even offers to tow the hunters' canoe home. In turn, the hunter, Jose do Conceição, offers us dinner and his house for the night.

Jose takes us to a room off the kitchen large enough for all our hammocks. As we enter, an incredible sight stops me in my tracks—one entire wall is covered with jaguar hides, three stretched pelts, each about six feet long and three feet wide.



There is also a smaller ocelot pelt. I ask Jose, who beams with pride when he notices my drooping jaw, when he killed all these *oncas pintadas*, as the beautiful cats are called in Brazil.

"The largest, I killed last night in the yard." He smiles. "We're having it for dinner," he adds.

It's dark by the time all our hammocks are pitched. Dim light comes from a corner fire where a pressure cooker hisses on a raised clay stove. Another low light from a rubber tapper's kerosene lantern illuminates Jose, who sits on a floor made of split *paxiuba* palm branches. A side of deer drips in the dark, blood spilling between the floor cracks to creatures

waiting under the house. I wonder why we won't be eating venison but fear it would be impolite to ask.

Fishnets, shotguns, knives, and pots hang from the walls and rafters. John enters, making some smart remark about eating jaguar, and Jose, taking this as a hint, jumps up and cuts us some dried meat from a sack hanging over the fire. Larindo demonstrates how one simply tears off a small piece, sprinkles it with manioc, and eats an endangered species. Jaguar tastes like you might expect, dry and salty. I've eaten dog, snake, rat, and bear with various native people around the world, and I can only say that the Great Spirit did not intend for creatures of the cat family to be eaten.

The next day, back on the river, a white-haired man in a dugout flags us down and asks if we can turn around and take his wife and their sick child to Cruzeiro do Sul, a seven-day trip. The man's wife, a pipe-smoking Indian woman, says the child has some sort of stomach problem. Alex yells for D.J. to look through the first-aid kit for something for a stomachache. Larindo, who has heard of this condition, calls me into the cabin to whisper that the child is as good as dead.

Nika was orphaned when Rubeni shot her mother for a snack. A toucan beak (great eating, toucans, Rubeni says) serves as a paperweight on Maria's desk. A wildlife preserve this isn't.

John reads medicine boxes to D.J., who yells, "What is it, vomiting? Diarrhea?" Alex passes along these questions but the frantic woman pulls back part of the shelter to show the child. At the sight of his tortured face I yell, "Pain! what do we have for pain?" When the mother lifts the child's shirt, I see a grossly bloated stomach with a raw hole in the center, out of which feces flows. Larindo tells them to go to Boca do Tejo where they can find help. They push off with a handful of Tylenol, their blank, hopeless faces growing smaller and smaller in the distance.

A few miles pass and another canoe comes out to greet us. This time it's a young boy telling of a woman who has just died of malaria; we are invited to visit the grieving family in their hut. Remembering the dying child's face, we vote for moving on.

We arrive at the home of a rubber tapper, Rubeni, who has invited us to stay a few days. His dugout is gone and we wonder for a moment if plans have changed, but soon Rubeni appears at his doorway, and comes to the bank to tie up our boat. He explains that his canoe has been loaned to Sebastião, a neighbor with a sick child. Perhaps we've traveled into the center of a jungle plague.

Yet the loveliness of this section of the Tejo soon puts thoughts of disease out of our minds. One lazy day melts into another, and we all assume Huck Finn attitudes; John even starts to smoke corn silk in a cob pipe. It's an easy swim across the river to trails that pass over log bridges and lead to sugarcane and corn patches. There are bends in the river where catfish can be caught with every cast and enormous green snakes shoot across the water like lightning.

Following Rubeni on his rounds is hardly like working. The rubber trees are scattered through the forest so one meanders about nicely. In fact, seringueiros believe the longest branch of one rubber tree points toward the next, so the trail is established with the advice of trees. It's one of these hobbit paths we now follow through green hallways and along crystal streams. Rubeni carries his collecting can, cutting knife, and gun. Misty rain falls where we walk, and distant thunder rumbles.

Each rubber tree is serviced in a special way; rubber tappers believe the trees are so sensitive they become accustomed to an individual's touch. They are delicate and will die if cut improperly or bled excessively. Some of these magnificent trees (*Hevea brasiliensis*) can take only one cut, larger ones up to three. If a *seringueira*, as the trees are called, is cut at ground level, eventually the lower section must rest, so later cuts must be made very high. To do this, the seringueiro leans a notched sapling against the trunk, climbs to a high perch and cuts with a bird's-eye view of paradise.

There are animal signs along the trail but few sightings, perhaps because of the *armadilhas*, horrible crossbow/shotgun traps set on the game trails at night. When a passing creature trips a hidden string the bow is sprung, driving a nail into a shotgun shell in a short pipe, and anything from a squirrel to a tapir dies. This time a *coia*, a small, muskrat-like creature with beautiful golden-brown fur, is found near a trap and taken home. "For me," Rubeni explains, "rice and beans without meat just isn't dinner."

The floors in the school where Rubeni's wife, Maria, teaches are swept with monkey tails. In fact an



Rubeni with a load of bananas on the Rio Tejo. Opposite page: Jose do Conceição and son with the deer they shot illegally. Below left: Nika—more endangered than we thought.

adorable monkey called Nika, a tufted capuchin about the size of a cat, has the job of eating the giant spiders living in the school's thatched roof. The monkey was orphaned when Rubeni shot her mother for a snack. A toucan beak (great eating, toucans, Rubeni says) serves as a paperweight on Maria's desk. A wildlife preserve this isn't.

After several days at Rubeni's, Sebastião returns with his sick child in Rubeni's motor dugout. The child is yellow with a swollen belly; he's panting as an old woman carries him up to the house to spread whatever disease he has to this family. Sebastião brings him to me on the school steps and asks if I can help, explaining that he was unable to find assistance on the river.

I look at the worried father, who is expecting my journalism degree to save his child's life. I wonder if this is the same disease the other child had. My Red Cross first-aid course fails me. I explain I'm a photography teacher but still Sebastião looks to me with pleading eyes. I think of my own sons and make my diagnosis—this kid is very sick. He has a fever. I prescribe aspirin and recommend they kill a chicken for soup,

Continued on page 70



Try the World's First No-Water, No-Soap, No-Rinse, No-Nonsense, All-Purpose, 100% Safe, Earth-Friendly Cleaner.

And Get a Free Gift Too!



The Best For All Worlds

Finally a tough All-Purpose Cleaner that won't pollute, yet cleans and shines almost any surface. **100% safe on:**

plastics, wood, metal, TV and computer screens, vinyl, formica, laundry, cement, tile, and cured leather.

EARTHSHINE is perfect for cleaning your car, boat, plane, motorcycle, or RV, both inside and out. It works miracles around your house. Use it to sparkle up the bathroom. Clean and shine appliances. Degrease pots. Pans. Even your hands!

EARTH SHINE was developed by scientists based on the same technology used to clean up oil spills. The scientists knew the formula had to be as effective as it was Earth-Safe. It had to be tough on oil spills but so gentle on nature. It had to leave no residue or create any harmful side effects to the earth, soil, water, plant, or animal life.

And that's why today there is no safer all-purpose cleaner of its kind anywhere.



100% Kid Safe

EARTH SHINE is more than Earth friendly, it's people and pet friendly too. There's no toxic ingredients, so it's safe for use on all food preparation areas. Unlike ordinary cleaners, **EARTH SHINE** contains no detergents, phosphates, or petrochemical solvents. It's biodegradable. Safe around kids. And non-flammable too.



Make The Earth Shine

EARTH SHINE attaches itself to dirt. Emulsifies grease and makes them easy to remove. Because it's non-abrasive it can't scratch your paint and it won't fog clear plastic. It's so gentle you can use it on just about every surface! **EARTH SHINE** can't be beat for cleaning practically anything. In just minutes you can get an incredible high gloss shine. And best of all, you don't need water, buckets, sponges, wax, or any polluting soaps.

"Every day is Earth Day when you clean the **EARTH SHINE** way."

Call 1-800-343-6569 to order or mail in this coupon.

YES! I want to take advantage of this special offer. Send me a trial size **EARTH SHINE** and **FREE T-shirt** for just \$5 plus \$3.95 S&H. If I call and order now by phone I'll receive an extra surprise gift... **FREE!** (SM110)

Charge it to my (circle one):    

Credit Card Number _____ Exp. Date (Month/Year) _____

Please Sign Here

I'm enclosing my check for \$6.95 payable to **EARTH SHINE**

Name _____

Address _____

City _____ State _____ Zip _____

Telephone Number _____ **EARTH SHINE** 14101 N.W. 43rd Street, Sunrise, FL 33325

Florida residents please add 6% sales tax.

Just \$5... & A Free T-Shirt Too!

We're so certain you'll love the way **EARTH SHINE** cleans, we'll give you a colorful 100% cotton T-shirt **FREE**. Try **EARTH SHINE** for 30 days. Then when you're convinced that **EARTH SHINE** beats every other cleaner you have tried, we'll enroll you in our Earth Shine Global Clean-up Club and send you a fresh 2 month supply every other month for just \$19.95 plus \$3.95 shipping. Cancel anytime. Your satisfaction is guaranteed or your money back.



Interested in selling **EARTH SHINE** products? Tell the operator to send you our Distributor's Info Pak with your order.

©1995 EARTH SHINE CORP.

Breach of Contract

by B. J. Bergman

Congress' War on the Environment, which looked like an irresistible force as 1995 began, encountered an immovable object around mid-year: public opinion.

When they cast their ballots last November, few Americans dreamed that they were voting for dirty air, polluted water, and ravaged wilderness. And few realized, as the House plowed through its Contract With America, that "anti-regulatory" was a euphemism for "anti-environment." But thanks in part to the efforts of Club activists, voters soon started getting the message: their right to a safe, sustainable environment was being traded away in exchange for fistfuls of campaign dollars.

The anti-environmentalists haven't been stopped yet, but they are clearly losing momentum. And politicians are slowly waking up to the perils of trashing a quarter century of hard-won protections for public health and public lands.

"Four out of five Americans say they want environmental protections strengthened, not weakened," says Sierra Club President J. Robert Cox. "And the more they know about what this Congress is up



Sierra Club President J. Robert Cox makes some noise at the White House

to, the less they like it."

Furthermore, they're giving Congress an earful—quite a change from the first hundred days of this congressional session, when media coverage of the polluters' hidden agenda was virtually nonexistent. The stealth campaign was a short-term success: the three main anti-environmental planks of the Contract—amounting to a "Polluter's Bill of Rights"—passed easily

through the House, which rubber-stamped nearly everything Speaker Newt Gingrich (R-Ga.) proposed. Of the three, however, only a watered-down unfunded-mandates measure actually made it into law. The Senate has not been nearly as eager as the House to pass its own version of so-called takings legislation, which essentially pays polluters to obey environmental laws. And Senator Bob Dole (R-Kan.) had to pull his comprehensive "regulatory reform" measure—the centerpiece of the War on the Environment—after losing three consecutive attempts to send it to the floor for a final vote.

Polluters were dealt a body blow in the days that followed. In a vote that shocked the GOP leadership,

51 Republicans refused to go along with a sweeping effort to keep the Environmental Protection Agency from enforcing the laws on wetlands, drinking-water standards, auto emissions, and even food safety. And though the leadership prevailed in a second vote—in large part due to the absence of at least a dozen opponents of the measure—the defections signaled a growing concern of many in Congress. Their constituents, it seems, think the government is supposed to protect their families' health.

Indeed, Dole himself, in a tacit acknowledgment that the House had overreached, said, "I doubt we'll go that far" in shackling the EPA's ability to enforce public-health standards.

Dole's doubts reflect a significant shift in the political landscape. Since just after the November elections, the Sierra Club has been working to alert the environmental movement, the media, and the American people to the polluters' agenda. In March, along with a dozen other public-interest organizations, the Club launched a drive that gathered a million signatures on the Environmental Bill of Rights, which asserts the right of all Americans to a safe, healthy envi-

**Congress' stealth
campaign is
now out in
the open.**

Things To Do...



For over 100 years the Sierra Club has been working to protect our environment. Much of our work was made possible through the foresight and generosity of those individuals who included the Sierra Club in their estate plans. Estate gifts may be designated for a particular program, entity or activity:

- *conversation programs*
- *outings*
- *public affairs & education*
- *SIERRA magazine*
- *your chapter*
- *lobbying*

Please contact the Planned Giving program for more information on how to include the Sierra Club in your estate plans. It's a powerful way to give something back to the planet.



Caleb B. Rick, J.D.
Director of Planned Giving &
Charitable Gift Counsel
Sierra Club
730 Polk Street
San Francisco, CA 94109
(415) 923-5639

ronment. The petitions, scheduled to be presented to elected officials in November, contain a powerful message to legislators. According to Executive Director Carl Pope, however, the medium is as important as the message: the effort has "provided a way to have conversations with Americans around a common theme."

The petition drive was just one facet of the Club's public-education effort. Through its "Save Our Summer" campaign, for example, activists reached out to enlist the help of recreationists nationwide in protecting the air and water. And when President Clinton caved in to opponents by signing the devastating "logging without laws" measure (see "Ways and Means," page 18), the Club and other organizations responded by staging a scornful "21-chainsaw salute" in front of the White House.

By mid-year, the GOP's stealth campaign was out in the open. Anti-environmental initiatives in Congress were under fire in the media and, more importantly, in America's neighborhoods. GOP strategist Kevin Phillips, explaining why "Americans are disgusted again" with Congress, wrote in August: "What we have seen in the last six months is a spurning of the public's priorities in order to gratify the very different desires of upper-bracket lobbies and special interests."

"As early as January," says Pope, "we knew the way to turn back the War on the Environment was by changing the political climate all across the country."

"We've got a long way to go, but the strategy's working. The days when elected officials could give polluters a free hand to rewrite the nation's environmental laws are over. Americans are beginning to see what the politicians are doing. And we think that spells the beginning of the end for the War on the Environment." ■

SIERRA
THE MAGAZINE OF THE SIERRA CLUB

It's free and easy!

Sierra advertisers make it easy for you to learn more about their products and services. For free brochures and catalogs, just circle the numbers on a reply card that correspond to the advertisers listed and drop the card in the mail.

1. Best American Duffel Inquire now for a free brochure on what many consider the best duffel bags available.

2. Bushnell For more information and a free color brochure, circle our number.

3. Campmor Complete camping and backpacking catalog features brand names at discount prices.

4. Concept II Inc. Complete response package includes a detailed full-color brochure and current customer newsletter. Call for a free video, 1-800-245-5676.

5. Davis Instruments World's smallest home weather stations. Measure wind, temperature, rainfall, and more. Very affordable. Free catalog, 1-800-678-3669

6. Drinker Durand Posters, notecards, and bookmarks featuring panoramic photographs of national parks. Free catalog.

7. Genesis Fine Art Sculptures Publisher of certified limited-edition fine-art sculptures created by a select group of award-winning artists. Free directory 1-800-726-9600.

8. Green Century Funds A family of no-load, environmentally responsible mutual funds designed for the environmentally conscious investor. CD rollovers, IRA transfers, and IRA consolidation.

9. Greenwich Workshop The Greenwich Workshop presents *Into the Wilderness: An Artist's Journey*. Collector's edition book by Stephen Lyman and Sierra editor Mark Mardon. For information on this outstanding book and limited-edition fine-art prints of the artist's work call 1-800-761-6151 in U.S. or 1-800-263-4001 in Canada

10. Greenwich Workshop presents *New Magic: The Art of Bee Doolittle* collector's edition book. For information call

1-800-761-6151 in U.S. or 1-800-263-4001 in Canada.

11. Healthy Habit Call 1-800-9 EXTREME for brochure, free samples, or more information.

12. Katadyn Water Filters Find out how to produce drinking water anywhere, on demand. Send for free brochure today.

13. LL Bean Gear and clothing for those who love the outdoors. Backed by our 100% satisfaction guarantee. Send for your FREE catalog today.

14. LL Bean Outdoor Discovery Schools offer hands-on instruction and wilderness trips for beginners and experienced outdoor enthusiasts in Fly-fishing, Pad-

READER SERVICE CARD

SIERRA

Just circle the numbers below that correspond to the advertisers listed and drop the card in the mail. For priced literature, please include a check or money order made payable to Sierra Magazine.

Free brochures and catalogs

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60

Priced literature

61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Name _____

Address _____

City/State/Zip _____ Phone _____

Check Money Order Total Enclosed \$ _____

U.S. Currency only Allow 6-8 weeks for delivery Offer expires January 31, 1996 051181

PRINTED ON RECYCLED PAPER

READER SERVICE CARD

SIERRA

Just circle the numbers below that correspond to the advertisers listed and drop the card in the mail. For priced literature, please include a check or money order made payable to Sierra Magazine.

Free brochures and catalogs

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60

Priced literature

61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Name _____

Address _____

City/State/Zip _____ Phone _____

Check Money Order Total Enclosed \$ _____

U.S. Currency only Allow 6-8 weeks for delivery Offer expires January 31, 1996 051181

PRINTED ON RECYCLED PAPER

ding, Shooting, Cycling, Winter Sports and Outdoors skills. For more information call: 1-800-341-4341 ext. 6666.

15. Leatherman® World's finest compact multipurpose tools. 100% stainless steel. Made in the U.S.A. 25 year guarantee. Send for free brochure.

16. Lufthansa Airlines Call Lufthansa at 1-800-431-1285 for special offer when traveling to Eastern Europe.

17. Newfoundland and Labrador This is the place where icebergs and whales cross paths. To get up close, get our free 240-page guide to the most easterly point in

North America. Call Susan at 1-800-563-NFLD.

18. Patagonia Call for our free Adult and Kids catalog—featuring our functional outdoor clothes, reports from the field, and provocative articles on the environment: 1-800-336-9090.

19. Pax World is a no-load, diversified balanced mutual fund designed for those who wish to develop income and to invest in life-supportive products and services.

20. PowerBar Twelve-page *Guide to Nutrition*. Free.

21. Quebec Tourism Get the scoop on

your neighbors. Ask for your FREE brochure on Quebec and get the scoop on all the activities next door. For information, call 1-800-363-7777, Operator 262

22. Redfeather Snowshoes Perfect for winter hikers, climbers, backcountry skiers, and outdoor enthusiasts. Seven models—kids to expedition size, 1-800-525-0081.

23. St. Paul Island Tours Discover nature's finest creations! Fur seals, seabirds, arctic fox, reindeer, and wildflowers. St. Paul Island in Alaska's Pribilofs.

24. Self-Realization Fellowship Free booklet, *Untamed-of Possibilities*, describes scientific methods of meditation. Create lasting happiness and harmony in body, mind, and soul.

25. Sierra Club Books A complete catalog of Sierra Club books, including books for children, calendars, as well as gifts, cards, and logo items. Updated twice a year.

26. Sierra Club Gift Idea Pay tribute to the special people in your life with gifts in their honor to the Sierra Club. Help protect our environment while honoring a loved one. Free information.

27. Sierra Club Planned Giving Life-income trusts and bequests provide tax and income benefits and support Sierra Club programs.

28. Time Warner Electronic Publishing The Ansel Adams screen saver is a CD-Rom with 30 of the artist's photographs beautifully presented with quotations from his writings.

29. UNIVERSITY OF CALIFORNIA PRESS Publisher of books and journals on a variety of subjects including biography and photography featuring *Poles Apart: Parallel Visions of the Arctic and Antarctic* by Galen Rowell, and *Ansel Adams and the American Landscape* by Jonathan Spaulding. At bookstore, or call toll-free 1-800-822-6657.

Please allow six to eight weeks for delivery of most items. All advertisers have assured us that they will respond to each request, but Sierra is not responsible for their failure to do so.

Address for Reader Service only



BUSINESS REPLY MAIL
FIRST-CLASS MAIL PERMIT NO. 439 RIVERTON, NJ

POSTAGE WILL BE PAID BY ADDRESSEE

SIERRA
THE MAGAZINE OF THE SIERRA CLUB

P.O. Box 11751
Riverton, NJ 08076-7351



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES



Address for Reader Service only



BUSINESS REPLY MAIL
FIRST-CLASS MAIL PERMIT NO. 439 RIVERTON, NJ

POSTAGE WILL BE PAID BY ADDRESSEE

SIERRA
THE MAGAZINE OF THE SIERRA CLUB

P.O. Box 11751
Riverton, NJ 08076-7351



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES



Letter from the
PRESIDENT

by J. Robert Cox

A year ago, the Sierra Club found itself in a perilous financial situation. At about the same time, the 104th Congress rolled into Washington, determined to gut the environmental protections that the Club has fought so hard for over the past 25 years. It was, to say the least, a challenging confluence of events: the Sierra Club needed to improve its own health even as it marshaled its forces to get the word out about Congress' War on the Environment.

We immediately began work on both fronts. Internally, we embarked on the painful process of reducing expenses by eliminating 10 percent of our national staff positions; we are still saddened by the departure of these experienced and loyal staff members. As we scaled back, we also reorganized, being careful to preserve our essential conservation programs to protect public lands and critical pollution laws. Less crucial activities were either reduced in scope or eliminated. The effort is paying off: we expect to show a modest operating surplus in 1995—a major improvement over our 1994 operating deficit of almost \$1.5 million.

At the same time, we have tried to serve our members better, in ways as simple as responding more efficiently to member requests or as visionary as tapping the possibilities of the Internet to open new doors to those wanting to be active in local or national issues.

As a result of these efforts—assisted, of course, by a sobering political climate—membership has increased, as has the Club's income from dues and donations. At the end of June our membership numbered a healthy 543,000.

Throughout this process, we have preserved and even strengthened our conservation capabilities. How do you get more while spending less? By focusing on our not-so-secret weapon: our grassroots activists. While corpo-

rate special interests have practically been given pass keys to the back rooms of Capitol Hill, they can't match the Sierra Club's ability to organize a nationwide grassroots response that holds members of Congress accountable in their districts.

The number of volunteers now working on the Sierra Club's priority campaigns has increased by more than 3,000 in our War on the Environment campaign alone. With a massive outpouring of letters, faxes, phone calls, media alerts, and outraged editorials in newspapers around the country, we are turning the tide in the battle for a safe and healthy environment.


Through your efforts we have held off three attempts in the Senate to push through a regulatory-reform bill that would tie up environmental laws in miles of red tape and cost billions of dollars; we helped gather more than a million signatures on our Environmental Bill of Rights, and we put the word out that we would not forget votes in favor of the "Dirty Water Bill" next election day.

In Utah, more than 400 activists turned out to protest at a public hearing on Congressman James Hansen's bogus wilderness bill. Conservationists flooded an August hearing on the decertification of Voyageurs National Park in remote International Falls, Minnesota. In Washington State, Club members gained three times the number of signatures they needed to put an anti-takings initiative on the ballot.

Whether the environment wins or loses depends largely on how each one of us responds—by writing to a local newspaper, by calling a radio talk show, or by letting our representatives know directly that we expect them to protect every American's right to a healthy environment. It is the Club's job to make sure those individual voices are heard loud and long. ■

On Firmer Footing

• sustainable economics • alpine tundra •
 • ecophilosophy • learning communities • mining • conflict resolution • everglades
 • desert ecology • internships • biodiversity • ethics/values • lobbying • redwoods



An *Extraordinary* Educational Journey

M.S. & B.S. Degrees
 Environmental Education

Dynamic People • Powerful Experiences
 Inspiring Skilled & Creative Leadership

Audubon Expedition Institute

P.O. Box 365, Dept. 5
 Belfast, Maine 04915
 (207) 338-5859

• CELEBRATING OUR 25th YEAR •

Remember



with a Memorial Gift

Consider saving a meadow instead of sending flowers. You can honor and preserve the memory of a special person while providing important funds towards accomplishing the Sierra Club's long term goals. For more information call Teresa Sweeney at 415-776-2211.



SIERRA CLUB
 Memorials Program
 710 Polk Street, San Francisco, CA 94109

Volunteer
SPOTLIGHTOUTDOOR
ADVENTURE
EQUIPMENT

- BACKPACKING
- FAMILY CAMPING
- CLIMBING
- RUGGED CLOTHING & OUTERWEAR
- BIKE TOURING
- WATERSPORTS

NAME BRANDS AT
THE LOWEST PRICESCALL OR WRITE FOR
OUR FREE CATALOG

For a Free Catalog,
Call 1-800-230-2151PO BOX 700-SM95
SADDLE RIVER, N.J.
07458-0700

Québec

Get the scoop on your neighbours

Ask for your
FREE brochureon Québec and get the scoop on
all the activities next door.

For information, call toll free

1 800 363-7777Ask for operator 262
or consult your travel agent.

Better Homes, Safer Gardens

by Amy Wilson

When Doris Cellarius was named Oregon's first recipient of the Betty Crocker Homemaker of Tomorrow Award in 1955, a career was launched—but not the one that was intended. The sponsors made one small miscalculation: along with a free trip to Washington, D.C., and lunch with Eddie Fisher and Debbie Reynolds, they gave Cellarius a scholarship to study biology at Oregon's Reed College.

After receiving her bachelor's degree from Reed, Cellarius won a National Science Foundation fellowship to study at Columbia University. She earned a master's degree in zoology, but gave up plans to go on with laboratory research when Columbia faculty spurned her plan to investigate the then uncharted connections between nutrition, chemicals, and birth defects. The scientific world's loss soon became the Sierra Club's gain.

Cellarius is a rare combination of community activist and national leader. As likely to be knocking on doors in a trailer park as she is convening a meeting of Sierra Club leaders and scientists, Cellarius is "equally comfortable and in demand at all levels of the Club," says Jennie Alvernaz, a colleague on the Community Health Committee.

"The best place to start is within your community," says Cellarius. When Cellarius, her husband, Richard (a former Sierra Club president), and their two daughters moved to Ann Arbor, Michigan, in the early 1960s,

she became an organizer of the city's Ecology Center and its community gardens. After relocating to Olympia, Washington, in 1972, she helped establish more gardens, a farmers' market, and the Sasquatch Group of the Club's Cascade Chapter.

"I worry about workers and other people who are involuntarily exposed to toxic chemicals," says Cellarius. "When I'm fighting for cleanup of the Hanford Nuclear Reservation"—one of the nation's biggest stockpiles of nuclear waste—"I'm driven by concerns for those who live downwind and for a friend who died after working there."

Cellarius' appreciation of the power of teamwork and the down-to-earth example she sets make her a natural leader. As a consultant for the Washington Environmental Council, she organized a network of citizen groups to monitor cleanup of the state's toxic-waste sites and



DORIS CELLARIUS

assisted communities in applying for grants. She helped start the Club's Issue Caucus, a national networking group that raised the visibility of members with expertise on specialized topics. She was an early leader of the Club's State Program, which links state-level activists across the nation, and edited a Club newsletter on hazardous materials and water resources for more than a decade.

Cellarius believes that what she contributes to the Sierra Club is returned in kind. "Being part of an organization this big and having access to its skilled leaders has helped me enormously," she says. "I've assured

not responsible for their

tant is her grassroots work to help clean up towns such as Chehalis, Washington, which abuts a dioxin-contaminated Superfund site that floods several times a year. "For years, people there reported rashes and respiratory problems," says Cellarius, who went door-to-door urging residents to form a community group and tell their story publicly. "Places like Chehalis hold the key to convincing even our most skeptical political leaders that the Superfund program should not be cut."

"People have the power to act to push our government on behalf of their children's health," she says. "If I can get them to use that power, then I've done my job." ■

Amy Wilson is senior editor of the Sierra Club's activist newsletter, *The Planet*.

EXPRESS YOURSELF

To make your voice count on environmental issues, write or call your U.S. senators and representative at:

U.S. Senate
Washington, DC 20510

U.S. House of Representatives
Washington, DC 20515

U.S. Capitol Switchboard
(202) 224-3121

Contact President Clinton at:

The White House
1600 Pennsylvania Ave., N.W.
Washington, DC 20500

Comment line: (202) 456-1111

Fax: (202) 456-2461

E-mail: president@whitehouse.gov

Stay informed by joining the Environmental Rights Network, which links Sierra Club members nationwide in the campaign to save the wild planet and defend the health and safety of our communities. As a member of the Network, you'll automatically receive a free subscription to *The Planet*, the Club's monthly activist newsletter. Contact the Office of Volunteer Services: phone (415) 923-5597; fax (415) 776-

OUR GRASSROOTS [sierraclub.org](http://www.sierraclub.org)

Unique Journeys of Discovery!

•Africa•Pacific•Asia•Europe•Latin America•Galapagos Islands•

Walking tours, mountain treks, cultural expeditions, safaris, natural history explorations...

For 18 years Wilderness Travel has been the leader in off-the-beaten-path travel, specializing in small groups, innovative trips, and expert leadership.

Take the first step to adventure by calling for our superb,

116-page, full-color catalog.



Wilderness Travel

801 Allston Way, Berkeley, CA 94710 • 800-368-2794 • 510-548-0420, ext. 243

CHECKS WITH A CONSCIENCE

We all need to order checks. So why not order great looking checks that also support Sierra Club. That's what checks from Message!Products are all about.

Checks with a Difference

Message!Products checks are checks with a difference.

- They're sponsored by Sierra Club
- They're made from recycled paper (20% post-consumer waste)
- They're printed with soy-based inks
- More than 8% from each order goes to Sierra Club

Support Sierra Club

Now, whenever you write a check you'll make a statement about what you believe in. Every check you write will help remind people of the critical work performed by Sierra Club. And more than 8% of every order you place will be returned to support the critical work of Sierra Club.

Yes, They're Real Checks

You don't have to go through a bank to order your checks. Message!Products checks are real checks. They're accepted at all U.S. financial institutions. Every single one. So you can order with confidence.

Feel Good, Do Good

Now you can feel a little better about ordering and writing checks. You're going to a good cause. You're supporting good works. And you're helping make the world a little better. So order now.

"Spread the word! Turn your personal checks into a conversation statement on recycled paper. Checks by Message!Products show your support for the Sierra Club's mission every time you write a check."

Carl Pope, Executive Director
Sierra Club



Protecting Ancient Forests (1 design)



One Earth, One Oceans (1 design)



Sierra Club Series (all 3 designs)

Message!Products

Check your choice below:

- Protecting Ancient Forests
- One Earth, One Oceans
- Sierra Club Series - all 3 designs

Select your check style and quantity:

- 200 checks without duplicate copy - 1 design @ \$14.00
- 200 checks without duplicate copy - 3 design series @ \$14.00
- 150 checks with duplicate copy - 1 design @ \$14.95
- 150 checks with duplicate copy - 3 design series @ \$14.95

Shipping:

- Normal shipping and handling (add \$1.75 per box)
- First class shipping and handling (add \$3.50 per box)

Include all 3 of the following with this form:

1. Reverse form from present check supply OR mailed check indicating a starting number # _____ for your new order
2. Deposit ticket from the same account
3. Payment check made payable to Message!Products

(Note: orders received without payment will not be processed.)

Daytime telephone number

ORDER FORM

Check Order	\$	
Normal Shipping/Handling	\$	1.75
For each add'l 1 box add \$1.75 for S/H	\$	
For First Class add on add'l \$1.75 per box	\$	
SUB-TOTAL	\$	
Minnesota residents only add 6.5%	\$	
TOTAL ENCLOSED	\$	

To order, mail order form and check payable to:

Message!Products
P.O. Box 64800, St. Paul, MN 55164-0800
Questions? 1-800-243-2565

INTERNET: <http://www.sierraclub.org/products/message>

Ecoregion ROUNDUP

In 60 chapters and hundreds of local groups spanning 21 ecoregions and two nations, Sierra Club members are hard at work for a healthier planet.

by Tracy Baxter

Southwest Deserts

Unwilling to let their children languish in one of the nation's poorest neighborhoods, 20 determined young women are transforming the Segundo barrio in El Paso, Texas, into a place of optimism and pride. Under Sierra Club sponsorship, Las Chulas del Barrio have been organizing community cleanups of their streets and parkways. These urban environmentalists also encourage local youngsters to discover the natural world for themselves through participation in Sierra Club-led outings. Long admired by their neighbors for their grassroots activism, Las Chulas have also been noticed by the Border Environmental Commission, which hopes to make their project a pilot program for other border communities.

Atlantic Coast

Toying with machinery a mite more sophisticated than the matchbox models they once enjoyed, junior-high-school students from 36 states convened in Washington, D.C., to race 25,000 solar-powered model cars. Cosponsored by the U.S. Department of Energy and the New Columbia Chapter of the Sierra Club, the race was designed to spark interest in math and sci-

ence while teaching pollution prevention to mostly inner-city youth. Clad in Club T-shirts, the students left the competition with visions of future Energy Department events—solar-bike races in high school and full-size solar-race-car competitions in college.

How the Washington, D.C., Department of Public Works could fail to turn a profit on its recycling project was a mystery to the New Columbia Chapter. Revenues from fees charged to commercial trash haulers and from sales of recycled materials were supposed to put the program comfortably in the black. Yet the cash-strapped agency claimed it needed to scrap the program and incinerate recyclables for financial reasons. Quickly forming a coalition, New Columbia activists staged a springtime "recycle-in" to show public backing for the program. With support from the Afrocentric Urban Ecology Association, the Chapter won an injunction ordering recycling to continue citywide. By summer, the DPW still hadn't figured out how to reap the rewards of recycling, but thanks to the Chapter's mobilization, the agency turned the program over to a private company and recycling resumed.

Mississippi Basin

When 75 Sierra Club activists working with the Mississippi Ecoregion Task Force hit Capitol Hill for Clean Water Week this summer, they were prepared to wrangle with House members over the Clean Water Act, flood reform, and Great Lakes protection. They impressed upon legislators the public's commitment to water protection and management, including testimony from flood victims and this kicker from a recent GOP survey: the majority of citizens deplore wetlands destruction and would not vote for a representative who weakened water-quality laws. In visits

to the offices of over 100 lawmakers, they were delighted to find waning congressional support for H.R.961, Representative Bud Shuster's (R-Pa.) "Dirty Water" Act.

Pacific Coast

Governor Pete Wilson, an expert at trumping up politically expedient conflicts, recently put his talent to use by waiving the California Endangered Species Act. Purportedly to allow victims of fires, earthquakes, and floods to rebuild their homes without prohibitive regulation, the governor suspended the act until 2001. But existing legislation already gives authority to the governor and the Department of Fish and Game to assist disaster victims, so this blanket repeal of endangered-species protection is less a compassionate gesture to humans than a high sign for corporate abuse of creatures. The Sierra Club and other environmental organizations, represented by the Sierra Club Legal Defense Fund, filed suit in June to block this handout to developers.

Rocky Mountains

It's no surprise that the panel organized by the congressional Private Property Rights Task Force was heavily stacked with business interests. But drumming up public support in Sheridan, Wyoming, for legislation that would pay polluters simply for obeying the law was tougher than anticipated. The Sierra Club's five days of media alerts helped crowd the field hearing with outraged citizens. The absence of an open microphone didn't discourage the public's participation; they expressed their pro-environment views with hisses, boos, and wild applause. But if the task force didn't get the message that "takings" legislation was a bust with this crowd, the local TV news coverage of the Sierra Club rally after the sham hearing should have done the trick. ■

Let's Look at the Record!

Past performance may not guarantee future results, but it's a good place to start.

For the five years ending June 30, 1995, the Parnassus Fund had a total return of 130.81% which is equivalent to an average return of 18.21% per year. According to Lipper Analytical Services, this was better than 97% of the growth funds in the country.

The Parnassus Fund follows a contrarian policy of investing in stocks that are out of favor with the financial community and are, therefore, undervalued. We hope to achieve attractive returns if these companies bounce back and regain favor with investors.

The companies we invest in practice corporate social responsibility. They're firms that treat their employees well and recognize that environmental protection makes economic sense. We think you'll be proud to own the companies in our portfolio.

Past performance is no guarantee of future results. Investment return and principal will fluctuate so that an investor's shares, when redeemed, may be worth more or less than their original cost.

The Parnassus Fund charges a maximum sales charge of 3.5% and Lipper rankings based on total return do not take the sales charge into account although the total return figures quoted in this advertisement do. For more complete information, including management fees, charges and expenses, call or write the Fund at the address below for a current prospectus. Read it carefully before you invest or send money.



THE
PARNASSUS FUND
800-999-3505

IRA
Transfers

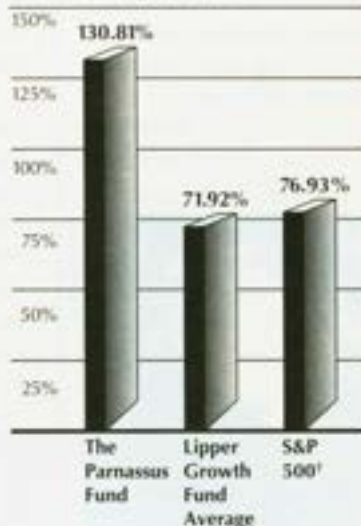
Distributed by Parnassus Investments 244 California Street, San Francisco, California 94111



THE PARNASSUS FUND

TOTAL RETURNS

For the five years from
6/30/90 through 6/30/95



† The Standard & Poor's 500 is an unmanaged index of the common stocks of 500 companies and it is not possible to invest directly in an index.

THE PARNASSUS FUND'S AVERAGE ANNUAL TOTAL RETURNS

For Periods ending 6/30/95

One Year	26.79%
Five Years	18.21%
Ten Years	14.35%

Poles Apart

Parallel Visions of the Arctic and Antarctic

by GALEN ROWELL

Rowell takes us on an exhilarating visual journey to the top and the bottom of the world, using his camera to reveal the fascinating differences in these polar opposites. "Rowell represents an endangered species rarer than many of the animals and birds he photographs so brilliantly—the true adventurer." —Marvin Weinstein,

Chicago Sun-Times

\$39.95, 188 color photos



From *Poles Apart*

Ansel Adams and the American Landscape

A Biography

by JONATHAN SPAULDING

"Knowing Ansel Adams as I did...I learned who he was, and what and when and where, but not why.

Spaulding has answered that question, magnificently, for all of us." —David Brower

"Insightful...Reveals Adams as a visionary whose actions helped forge a new art, photography, and a new ethic, environmentalism."

—Mary Street Alinder, co-author

Ansel Adams: An Autobiography
\$34.95, 50 b/w photos

At bookstores or order 1-800-822-6657

UNIVERSITY OF CALIFORNIA PRESS

AMAZON JOURNEY

Continued from page 61

thinking that if this works, Jewish mothers everywhere will be proud. I also advise them to stop visiting their neighbors, as the disease may be contagious. Indeed, I think, I too may soon have to rely on the curative powers of soup.

BACK ON THE RIVER, WE MAKE SEVERAL more school stops, passing out books, pencils, and T-shirts. I'm feverish and wonder if I'm spreading some exotic disease around the forest as we work our way back to the *Padre Josimo*, the larger boat we left on the Juruá.

A lucky thing that it's larger, too, because we are collecting quite a crowd. They come with their chickens and bags of rags, looking for free passage to Cruzeiro do Sul. No one asks for a ride; they just climb on board. Once John chased a few people off but now he's given up. He only rejected the one-legged man who didn't know we spoke Portuguese and was overheard telling a group of boys he would slit our throats because we were here to ruin the Amazon. I'm too weak to get out of the hammock and am little help to "Captain John," as the natives now call him.

The voyage is like one of those dreams in which everyone you've ever met shows up. Here again is the white-haired man and his pipe-smoking wife; I'm told their child with the ruptured stomach died the day we saw them on the river. Dolo reappears, bringing several more people as sick as I am. Augusto from the medical post is there, doing what he can. He thinks I have malaria because the fever and chills come and go at a regular rate. Rubeni and his wife have caught up with us and are coming along. Then there's Nika, the monkey, who hasn't left my side since Larindo bought her from Rubeni and gave her to me. Now I wonder how to get her back to São Paulo.

What a strange scene the *Padre Josimo* is tonight, with 27 people circled around pots of rice, eating with their hands by the light of candles and kerosene lamps. I dream fire ants are

biting me and wake to find Nika nibbling on my toes. Hammocks are strung three layers high; babies cry and old men cough. My head throbs and sometimes I feel as if I've been away on a long trip but can't remember where. My hammock is soaked with sweat. My stomach has a new burning feeling since the cook brought me some foul-smelling goat meat. I was eating it anyway when Rob warned me to spit it out, and now I stumble to the filthy toilet every ten minutes. I've had all the fun a body can have in the Amazon.

As our boat nears Cruzeiro do Sul we pass through vast deforested areas, a land as sick and pitiful as my body. If the Upper Juruá Extractive Reserve is going to escape this fate, it's going to need a lot more help than it's getting now. Health care and basic education would be a good start, with a little ecological education as well. (If the seringueiros' economic situation improved, they wouldn't have to hunt endangered species.) At present, the soldiers of rubber are being abandoned a second time. Chico Mendes' death was a tragic loss to the rainforest movement, but it seems senseless for his idea to die with him.

A clinic in Cruzeiro do Sul announces that I have both malaria and food poisoning. I take Nika to Brazil's wildlife agency and a man there says I can't keep her—it's five years in prison and a huge fine just for having her species. He'll give me a break if I return her to the forest, so we take a cab to the docks and find a banana boat unloading. I ask a friendly face if he is going back to the jungle and if he likes monkeys. He doesn't say a word but smiles and gives me the Brazilian thumbs-up. Nika leaves me for a boatload of bananas and never looks back. It's not until I'm on the way to the airport that I realize my horrible mistake: I should have made sure he wanted a pet and not a snack. ■

BILL GANN has worked as a photojournalist for 28 years, most recently in Brazil, where he taught photography at the American School in São Paulo until his return to the United States. He is recovering. Thank you.

ALASKA'S DON YOUNG

Continued from page 54

tect the Arctic Refuge, a cardinal sin in Young's book. Young, citing opposition to term limits and questions about Gingrich's budget arithmetic—but just as likely due to sheer orneriness—was one of only three GOP incumbents who refused to sign the Speaker's Contract With America. Gingrich caucused with Gilchrist on how to nudge Young and Pombo toward the political center. "We devised a little strategy that we needed to get Wilson and Eisner and Maple to meet some of the people on the task force—not in an intimidating way, just a discussion," Gilchrist reports. "Newt was very good at facilitating all of that, and made it happen."

Whatever effect the Speaker's intervention turns out to have on the bill that ultimately emerges from the Resources Committee, it is not hard to imagine its effect on the chairman.

Young, after all, is the man who arrogated unto the full committee control over all legislative matters touching on his state. ("You think I'm going to let anybody else conduct any hearings on Alaska?" he once asked.) He is also the author of the long-standing "Young rule," a loyalty oath he devised years ago for would-be members of House committees. "The Young rule is very simple," according to its creator. "You do not hurt your fellow Republicans. If a fellow Republican's district wants wilderness, you vote for it. If they don't, you vote against it."

As a party leader, Gingrich may have assumed he wasn't bound by such a pledge in his short-lived support for Alaska's wilds. Young, however, is not deterred by technicalities. Nor is he likely to strain himself accommodating the Speaker's ego or agenda. "He's very independent—that's a very important thing to understand about Don Young," says Christopher Arthur, a Capitol Hill veteran who now serves as legislative director to New York's Rep-

resentative Hinchey. "Don Young does not want anyone pushing him around or telling him what to do. And while he knows how to lean on people, he does not like people leaning on him."

Or, as Young himself puts it: "Nobody messes with me."

"BRAVADO," WROTE JOHN MCPHEE, "is a synonym for Alaska." And, he might have added, for its only congressman. Saber-rattling (and *ooisik*-brandishing) aside, however, it remains to be seen whether Young's bite will match his bluster.

Young did score a modest victory in July. With the help of his fellow Alaskan, Republican Senator Frank Murkowski, and the blessing of President Clinton—and only token opposition from committee Democrats—he convinced Congress to lift a 22-year-old ban on Alaskan oil exports to high-paying Asian markets. His top legislative priority, on the other hand, the radical rewrite of the Endangered Species Act, has made only fitful



CONCERNED ABOUT PROTECTING THE ENVIRONMENT FOR FUTURE GENERATIONS?

THEN CONSIDER PAX WORLD FUND, THE FIRST SOCIAL RESPONSIBILITY MUTUAL FUND IN THE NATION. PAX CAREFULLY SCREENS COMPANIES FOR THEIR ENVIRONMENTAL RESPONSIBILITY.

Pax World is a no-load, diversified balanced mutual fund designed for those who wish to develop income and to invest in life-supportive products and services. Pax invests in such industries as pollution control, health care, food, housing, education, and leisure time.

The fund does not invest in the weapons production, nuclear power, and tobacco industries, or in companies that discriminate against minorities and women. Various opportunities are available: Regular Accounts, IRA's, Educational Accounts, SEP-IRA's, and 403(b) Pension Plans. Minimum investment \$250. Send no money.



Pax World Fund is the only mutual fund in the nation affiliated with a Foundation that, for 14 years, has supported tree planting in areas of the deforested Third World.

For a free prospectus and other materials call toll-free 24 hours a day:

1-800-767-1729

Haven't you always
wanted a weather
station?



★★★★★
The Best™
(Alan Fields,
Party Sunny)

The Weather Monitor II makes state-of-the-art weather technology affordable enough for home and hobby use! Provides all the features of a professional-quality weather station at a fraction of the cost.

FEATURES INCLUDE:

- Inside & Outside Temps
- Wind Speed & Direction
- Barometer
- Time & Date
- Inside Humidity
- Wind Chill
- Alarms
- Highs & Lows
- Rainfall Option
- Instant Metric Conversions
- Outside Hum. & Dew Point Option
- Optional PC Interface

1-800-678-3669

M-F 7 a.m. to 5:30 p.m., Pacific Time • SR659F
FAX 1-510-670-0589 • M/C and VISA
One-year warranty • 30-day money-back guarantee

DAVIS INSTRUMENTS

3445 Diablo Ave., Hayward, CA 94541

"BAD bags are
the best duffel
bags available."

Outside Magazine, February 1992

Gee, thanks.



4 sizes from 3000 to 6000 cubic inch capacity
For a detailed brochure on all our products:

1-800-424-BAGS

2601 Elliot Avenue, #4317, Seattle, Washington 98121

Best American Duffel

progress along its supposed "fast track." Senator Slade Gorton (R-Wash.) offered his own repeal-minded proposal in May. But as *Sierra* went to press in mid-September, Young and Pombo had just introduced their long-awaited version of the bill. The Young-Pombo rewrite was hardly groundbreaking: it was based, according to Melanie Griffin, director of the Sierra Club's Land Protection Program, on "the same industry wish list" as Gorton's. The full Resources Committee now must reach agreement on language before the legislation moves to the House floor. Gilchrest is expected to offer an alternative reform measure—one that leaves the ESA's heart intact.

For anyone but Young, the snail-like progress of his agenda might be humbling. And prospects for future success would be daunting. Young himself allows that many House members don't share his deep-seated antipathy for the Endangered Species Act. At press time, a move to open the Arctic Refuge—offered not by Young, but as part of the Gingrich budget proposal—faced the likelihood of floor fights in both chambers of Congress, as well as the threat of a White House veto. Even on his own Resources Committee, Young faces resistance from his left and, harder to imagine, from his right. The panel is stocked with anti-government diehards—notably freshmen Wes Cooley (R-Ore.), Barbara Cubin (R-Wyo.), and Helen Chenoweth (R-Idaho)—who make Young look moderate.

Nor are things likely to get any easier for Young and his comrades-in-arms. "I think the reality of legislating is settling in on them," says George Miller. "It's one thing when you don't have the responsibility and you want to criticize. It's another when you want to create something. It's much more difficult to answer the questions surrounding the Endangered Species Act than to just say we ought to repeal it."

As Miller acknowledges, though, Young has a distinctly pragmatic side. Many, in fact, insist Young is more practical than doctrinaire, a 12-term Washington fixture comfortable with

American Heart
Association
*Fighting Heart Disease
and Stroke*



Research gave
him a future



Support Research

©1995, American Heart Association

Remote. Wild.
Unbelievable.

Unravel the mysteries of a land where time stands still and nature displays an astonishing array of wonders - St. Paul Island.

- Home to 1 million fur seals
- Spectacular sea bird colonies
- Annual Asian avian vagrants
- Arctic Fox and Reindeer
- Brilliant showcase of wildflowers
- Historic Russian Church
- World's largest Aleut community

**St. Paul
ISLAND**
IN ALASKA'S PRIBILOFS

For Information and Reservations Call
(800) 544-2248

THOUGHTS FOR
SUCCESSFUL LIVING

Choose Peace

"Affirm divine calmness and peace, and send out only thoughts of love and goodwill if you want to live in peace and harmony. Live a godly life yourself and everyone who crosses your path will be helped just by being with you."

—Paramahansa Yogananda

Self-Realization Fellowship was founded in 1920 by Paramahansa Yogananda to teach scientific methods of meditation for realizing divine truths through personal experience. His "how-to-live" teachings offer a wealth of inspiring and practical guidance on seeking God, meditation, powers of the mind, health and healing, reincarnation, spiritualizing relationships, world peace, and much more. We will be happy to send you our catalog and a free booklet, *Unlearned-of Possibilities*.

SEND FOR FREE BOOKLET
FAX 213-223-3888

Self-Realization Fellowship
3880 VAN RAFAEL AVENUE, DEPT 5888
LOS ANGELES, CA 90008, U.S.A.

Want to brush up on a foreign language?



With Audio-Forum's intermediate and advanced materials, it's easy to maintain and sharpen your foreign-language skills.

Besides intermediate and advanced audio-cassette courses—most developed for the U.S. State Department—we offer foreign-language mystery dramas, dialogs recorded in Paris, games, music, and many other helpful materials. And if you want to learn a new language, we have beginning courses for adults and for children.

We offer introductory and advanced materials in most of the world's languages: French, German, Spanish, Italian, Japanese, Mandarin, Greek, Russian, Arabic, Korean, and others.

Our 60-page *Whole World Language Catalog* offers courses in 92 languages. Call 1-800-243-1234, fax (203) 453-9774, or write for your free copy. Our 25th year.

AUDIO-FORUM

Room 3516, 96 Broad Street,
Guilford, CT 06437 (203) 453-9794

the give-and-take of legislating. Indeed, for all his fire-and-brimstone rhetoric, he has long shown a businesslike willingness to lie down with his enemies. While he was railing publicly against the "immorality" of colleagues who supported the Alaska Lands Act, for example, he was successfully rounding up votes for dozens of weakening amendments.

"He's not an ideologue," says Resources Committee member Bill Richardson (D-N.M.). "He's somebody you can work with legislatively. He appears to be participating in what I consider to be very negative efforts, he's part of that agenda, but I know he's uncomfortable with some of the proponents. Now that still doesn't augur well for environmental issues, but at least he's somebody you can compromise with."

Whether Young is an ideologue or simply the id of the anti-environmental right, few conservationists expect to win much in his Resources Committee. The real fights, they say, will take place on the House and Senate floors.

"We're gonna slug it out," Miller vows. "We're not gonna give up because we're in the minority. We've got to make people vote, we've got to articulate a view, we've got to show an alternative. This is a lot more like 1970 than it is like 1995. This is like the beginning of the next environmental movement. They're gonna try to take it away and we're gonna try to hold onto it and extend it and expand it. The struggle is that fundamental."

Don Young, clearly, wants to take it away. Yet while he may be top dog on the Resources Committee, his claim to the title of alpha wolf—Bruce Babbitt's deference notwithstanding—is very much in doubt. After nine months, Young's record as chairman—like his previous 22 years in Congress—remains more swagger than substance. In America's wilderness, national parks, national forests, and other publicly owned lands, the battle for dominance has just begun. ■

B. J. BERGMAN is an associate editor of *Sierra*.

patagonia® Outdoor Clothes



To receive our
free Adult or Kids'
catalog, please call:

800 336-9090

"We don't sell our mailing list."

Scott Sumpter,
attempting a first ascent
of Mt. Kamin, Alaska.
Photo: John Burham
© 1995 Patagonia, Inc.
Dept. 55877H

INTRODUCING Sustainable Development



FDIC Insured

Now there's a way to help conserve the native rain forests of the Pacific Northwest—and insure your investment at the same time. ✓ Just open an EcoDeposits™ Checking, Savings, CD, IRA, or Money Market account. Your dollars work hard, earn the returns you need, and are insured by the FDIC up to \$100,000. ✓ Call Laura Pinnas at 800-669-7725.

EcoDeposits™

AT SOUTH SHORE BANK

YES! Send me an EcoDeposits™ application.

NAME _____

ADDRESS _____

CITY/STATE/ZIP _____

PHONE _____

Mail to: South Shore Bank, 7004 S. Jeffrey, Chicago, IL 60649

Stephen Gorman

Wild Woods

“What a place to live! What a place to die and be buried in!” exclaimed Henry David Thoreau in *The Maine Woods* after canoeing his way through Allagash and Penobscot river country. “What is most striking is the continuousness of the forest,” he wrote. “Except the few burnt lands, the narrow intervals of the rivers, the bare tops of the high mountains and the lakes, the forest is uninterrupted.”

At over 10 million acres, the Maine woods encompasses a region some five times the size of Yellowstone National Park. Largely owned by timber companies, these woods and waters remain the biggest uninhabited region in the contiguous 48 states, with only four permanent residents.

The boreal forest is home to eagles, bears, moose, and loons, whose loud and distant call is the voice of the northern wilderness.

The canoe, perfected by the Penobscot and Passamaquoddy tribes, is still the ideal vehicle for negotiating the waterways, the natural highways of the region. Classic wilderness canoe journeys include the

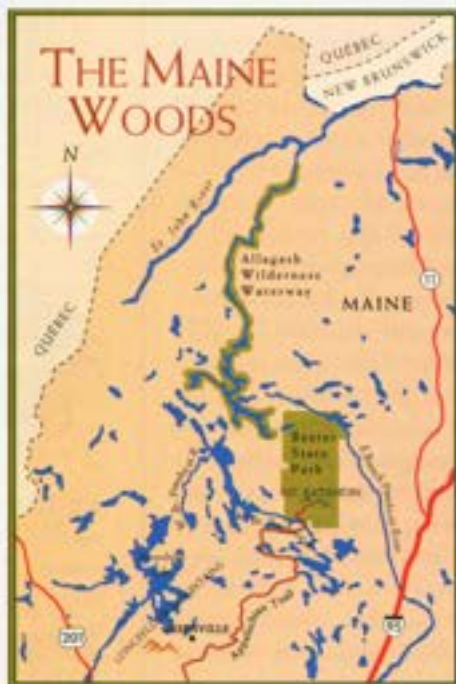


Allagash Wilderness Waterway (one of the best long-distance canoeing streams in the United States), the St. John River (among the region's most challenging for river runners), the St.

Croix (a good place for beginners to learn the ways of whitewater), the east and west branches of the Penobscot, and myriad smaller streams wandering off the main canoe routes like the veins in a leaf.

Hikers—or canoeists turned hikers for a day—will find plenty of trails to peaks overlooking the rivers and lakes. The views from atop Allagash Mountain and Mt. Katahdin are particularly rewarding, like “a mirror broken into a thousand fragments, and wildly scattered over the grass, reflecting the full blaze of the sun.” That’s how Thoreau put it. But if

Mt. Katahdin in Baxter State Park, one of the few areas in Maine free from the threat of intensive logging.



you're struck speechless by the grandeur, that's okay too.

NUTS & BOLTS

HOW TO PREPARE

You'll want to head to the North Woods in summer, when temperatures reach the balmy 70s. Mosquitoes and blackflies are fierce through mid-July, however. To protect yourself, don a broad-brimmed hat, long-sleeved cotton or lightweight wool shirt, lightweight cotton or wool pants, and rubber-bottomed, leather-topped boots of the sort made famous by native son L.L. Bean.

FOR MORE INFORMATION

Even though much of the Maine woods is privately owned, public access is a long-standing tradition. The timber-company owners publish detailed maps and can provide information on campgrounds, roads, and trip planning. Some helpful addresses and phone numbers include Great Northern Paper, 1 Katahdin Ave., Millinocket, ME 04462, (207) 723-5131; and North Maine Woods, Inc., P.O. Box 421, Ashland, ME 04732, (207) 435-6213. The Maine Bureau of

Parks and Recreation, State House Station 22, Augusta, ME 04333, (207) 289-3821, offers information on public lands, including 201,000-acre Baxter State Park and the Allagash Wilderness Waterway. The best maps of the wilderness waterways of Maine are published by DeLorme Mapping, P.O. Box 298, Freeport, ME 04032; (207) 865-4171. For complete descriptions and address listings, read *The Sierra Club Guide to the Natural Areas of New England* by John Perry and Jane Greverus Perry (Sierra Club Books, 1990).

FOR DEEPER READING

The Maine Woods by Henry David Thoreau (Penguin Books, 1988); *Allagash: Maine's Wild and Scenic River* by Dean Bennett (Down East Books, 1994); *Nine Mile Bridge* by Helen Hamlin (Down East Books, 1973); and *Beyond the Beauty Strip* by Mitch Lansky (Tilbury House, 1992).

THE POLITICS OF PLACE

When today's canoeists look past the loggers' "cheat 'em strips" flanking their favorite waterways, they're shocked to see clearcuts rolling across Thoreau country. The Maine woods are being felled at an unsustainable rate by a handful of giant out-of-state corpo-

rations driven by global markets. Conservationists are calling for permanent protections, a task made more difficult since so much land is privately owned.

A solution seemed to be at hand last year when the Northern Forest Lands Council called for the purchase of additional public lands and ecological reserves in its recommendations to Congress. Millions of acres are currently on the market, but so far little has been acquired, and virtually all of the Maine woods is still susceptible to the ravages of clearcutting and real-estate development.

The most recent proposals include one from a Concord, Massachusetts, group called Restore: The North Woods, advocating the establishment of a 3.2-million-acre Maine Woods National Park. On Capitol Hill, the recently introduced Northern Forest Stewardship Act (S.1163) would be an important first step in acquiring and protecting wildlands in Maine, New Hampshire, Vermont, and New York. The Sierra Club is considering these and other ideas to keep the wild in the Maine woods. To get involved, contact Chris Ballantyne, Northeast Staff Director, Sierra Club, 85 Washington St., Saratoga Springs, NY 12866; (518) 587-9166. ■

WRITE on the WILD SIDE

Sierra's Eighth Annual Nature Writing Contest

SIERRA invites its readers to submit an essay on any aspect of the natural world. We will select up to three winning essays, which will be published in the July/August 1996 issue of the magazine.

Each winner will receive \$500 and a pair of Nikon 8x30 E Series binoculars.

Contest Rules

Each contestant may submit only one manuscript. Manuscripts may be no more than 2,000 words in length (approximately eight double-spaced pages). Handwritten or single-spaced manuscripts will not be considered. Please do not submit poetry, fiction, or any previously published materials. No accompanying photographs, please.

Send your manuscript and a short (25-word maximum) biographical statement to Sierra Nature Writing Contest, 730 Polk St., San Francisco, CA 94109. Entries

must be postmarked by February 1, 1996. Be sure to include a stamped, self-addressed postcard if you wish receipt of your manuscript to be acknowledged. Please indicate whether your manuscript is disposable or if you'd like it returned. If the latter, please enclose a stamped, self-addressed envelope with sufficient postage. Winners will be contacted by May 1, 1996.

The contest is open to all professional and amateur writers except Sierra Club staff, their immediate families, and previous winners of this competition. Void where prohibited.

Nikon
SPORT OPTICS

Birds Of Play.

BlackHawk
Condor
Redtail
Eagle
Falcon
SparrowHawk



Take flight this winter on a pair of high-tech Redfeather snowshoes. We have seven models for runners, hikers, backcountry skiers, climbers and outdoor enthusiasts. Call for a catalog of our full line of snowshoes and accessories.

REDFEATHER
SNOWSHOES

1 • 800 • 525 • 0081

LAS VEGAS

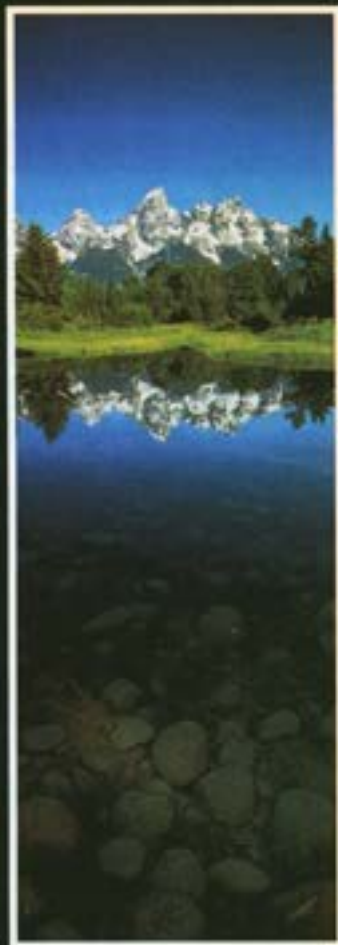
Continued from page 41

island" whose nightly temperatures are frequently 5 to 10 degrees hotter than the surrounding desert.

FORTUNATELY, EMBATTLED WESTERN environmentalists have important new allies. In their crusade for the "New Urbanism," Peter Calthorpe, Andreas Duany, and their colleagues have reestablished a critical dialogue between urban designers and mainstream environmental groups. They have sketched, with admirable clarity, a regional-planning model that cogently links issues of social equity (economically diverse residential areas, recreational equality, greater housing affordability through eliminating the need for second cars, a preferential pedestrian landscape for children and seniors) with key environmental concerns (on-site recycling of waste products, greenbelts, integrity of wetland ecosystems, wildlife corridors, etc.). They offer a powerful program for uniting otherwise disparate constituencies—inner-city residents, senior citizens, advocates of children, environmentalists, and so on—all of whom are fundamentally disadvantaged by the sub-urban city.

New Urbanism, of course, is only one starting point. A green politics for the urban desert would equally have to assimilate and synthesize decades of research on sustainable human habitats in drylands environments. It would also have to consider the possible alternatives to a regional economy that is increasingly being driven by casinos, theme parks, prisons, and unbridled growth. Creating a vision of an alternative urbanism, sustainable and democratic, in the Southwest is an extraordinary challenge. But this may be the last generation even given the opportunity to try. ■

MIKE DAVIS is the author of *City of Quartz: Excavating the Future of Los Angeles* (Vintage, 1991). He is finishing a new book on Southern California's recent trial by recession, riot, fire, and earthquake.



*Remember walking in cool
silent forests and resting by
clear tranquil streams,
how everything fell into place
and the world seemed right?*

*Our National Park posters, framed posters,
notecards and fine art photographic prints
recapture those magical moments.*

*Take pride in giving
something back to the parks.*

*8.5% of your purchase price goes to support
the National Park Foundation.*

FREE Christmas Gift

*Buy one or more posters by December 21st,
and get one FREE.*

New retail price ! \$25.00

*Call for our new 12 page free catalog:
Toll free: 800-581-5815 Fax 970-923-5092*

*Drinker/Dorrance Graphics
P.O. Box 6396*

Snowmass Village, CO 81615

©1995 Drinker/Dorrance Graphics.

All rights reserved.

**National Park
FOUNDATION**

MARKET GUIDE CATALOG

Just circle the numbers that correspond to the advertisers listed and drop the card in the mail. For priced literature, please include a check or money order made payable to Sierra Magazine.

Total cost
of order \$ _____

Send reply card with check or money order (made payable to Sierra Magazine) to:

SIERRA

P.O. Box 11751
Riverton, NJ 08076-7351

Please circle the number of the listings you wish to receive.

- | | |
|--|---|
| 1. Compass by Rand McNally. <i>Free</i> | 10. MPC Computing Inc. <i>Free</i> |
| 2. Atlanta Olympic Games Collection. <i>Free</i> | 11. Hangouts. <i>Free</i> |
| 3. Tough Traveler. <i>Free</i> | 12. Reflections Organic. <i>Free</i> |
| 4. Campmor. <i>Free</i> | 13. Brunton. <i>Free</i> |
| 5. Eco-Heads. <i>Free</i> | 14. Gunflint Northwoods Outfitters. <i>Free</i> |
| 6. Search Gear. <i>Free</i> | 15. Bike Nabbar. <i>Free</i> |
| 7. Eagle Optics. <i>Free</i> | 16. Recovery Engineering, Inc. <i>Free</i> |
| 8. Costa Rica. <i>Free</i> | 17. Sierra Trading Post. <i>Free</i> |
| 9. Eastern Michigan University. <i>Free</i> | 18. In Your Face Cards. \$2.00 |

Name _____

Address _____

City/State/Zip _____

Offer expires January 31, 1996.

951102

A d v e r t i s e m e n t s



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

Services at this address for Catalog listings only

BUSINESS REPLY MAIL

FIRST-CLASS MAIL

PERMIT NO 439

RIVERTON NJ

POSTAGE WILL BE PAID BY ADDRESSEE

SIERRA

THE MAGAZINE OF THE SIERRA CLUB

P.O. Box 11751

Riverton, NJ 08076-7351



MARKET GUIDE CATALOG

RAND McNALLY Compass



GIFTS for all TRAVELERS
FALL 1995

COMPASS BY RAND McNALLY

1. Shop the world from home. Visit or return to exciting destinations with travel accessories, videos, books, globes, maps, language tapes, decorative accents, and travel memories. Gifts for you and your favorite friends. **Free.**



CENTENNIAL OLYMPIC GAMES COLLECTION

2. Celebrate the Modern Olympic Games with 200 items featuring the Atlanta Games mark on Official Licensed Products from companies like Champion®, Speedo®, Swatch®, and others. The "Official Catalog" is sure to become a Collector's Edition. A portion of the proceeds will be used to support the 1996 Centennial Olympic Games and the U.S. Olympic Team. **Free.**

Tough Traveler® KidSYSTEMS™



3. Tough Traveler®—KidSYSTEMS™—Child Carriers with the comfort of a good internal-frame backpack! 5 models, plus wonderful canopy and convertible backpack/diaper bag accessories, plus children's internal-frame backpacks. Sold in outdoor specialty stores, baby stores, and mail order. 1-800-Go-Tough.



CAMP MOR

4. Campmor. Lowest prices on the finest and most functional outdoor clothing and gear for all your outdoor adventures. Eureka, The North Face, Sierra Designs, Woolrich, Columbia, Jansport, MSR, Gregory, Peak 1, and much more! **Free.**



5. Eco-Heads is your source for certified organic-cotton and natural, dye-free wool baseball caps for infants, kids, and adults. Pre-embroidered eco-logos, blanks, and customer embroidery available. Exclusive licensee for Greenpeace USA™. 1341 West Fullerton Ave., Suite 184, Chicago, IL 60614. Call 312-665-2004; fax 312-665-2191; e-mail: ecocaps.aol.com and current URL <http://www.eco-heads.com>. Free catalog.

SEARCH GEAR



6. Search Gear. Hiking poles and equipment, medical kits, Gor-Tex, dog gear, navigation equipment, all-season tents, clothing, and much more. Call 1-800-474-2612 for your free catalog. Competitive prices, fast, friendly service.



BINOCULARS & SPOTTING SCOPES

7. FREE comprehensive optic buying guide & discount price list on complete line of optic equipment and accessories. Information and specifications on all major brands. Call 608-271-4751; fax 608-271-4400; 716 S. Whitney Way, Madison, WI 53711.



8. Costa Rica 7 or 9-day wildlife and walking tours. Your American guide and naturalist—see exotic wildlife... volcanos... dine on gourmet cuisine, and stay in secluded lodges deep in the rainforests. 1-800-393-0171. Free brochure.



9. Explore the Prehistoric Cave Art of Dordogne, France, led by American poets Clayton Eshleman, winner of the National Book Award, and special guest lecturer Gary Snyder, winner of the Pulitzer prize. For a brochure, call Eastern Michigan University Continuing Education at 1-800-777-3521. **June 18–July 2, 1996. Space limited!**

MARKET GUIDE CATALOG



10. Explore the Sierra with this interactive multimedia trail guide. 2,000 miles of trail, nearly 3,000 full-color pictures, narrated trips, maps. \$79.95. For free brochure call 1-800-788-8958.



Most sizes
\$49-\$100

11. Hangout more. Colorfully handwoven Mayan/Brazilian hammocks offer therapeutic comfort, relaxing body and mind. Use after skiing and other exercise in your cabin or home, winters . . . outdoors, summers. Lightweight, easily transportable backpack sizes. Cotton/nylon. HANGOUTS are fun and functional. For a free catalog call 1-800-HANGOUT (1-800-426-4688).

Reflections
Organic
100% ORGANIC COTTON
CLOTHING CATALOG

12. REFLECTIONS ORGANIC offers style and quality with the largest catalog selection of 100% organically grown cotton clothing available. Enjoy the comfort and luxurious feel of Organic Cotton. Shop at home by calling for a free catalog, 409-594-9019, or fax 409-594-5196, or write Reflections Organic Inc., Rt. 2, Box 24P40, Dept. JM95, Trinity, TX 75862.



13. The BRUNTON Company. Celebrating 100 years, Brunton offers a complete professional and recreational compasses, superior optics with the special Starfire® optical coating system, IntelOptics rangefinding binoculars, and award winning Lakota cutlery. Serious outdoor gear that will give you the edge in the field.



GUNFLINT CANOE TRIPS

14. Adventure Canoe Trips into Minnesota's famed Boundary Waters Canoe Area Wilderness. Over 1,000 remote clear-water lakes to explore with loons, moose, beaver, and eagles. Guided and self-guided trips, lodge-to-lodge trips, airport pickup in Duluth. Gunflint Northwoods Outfitters, Grand Marais, MN; 16-page color brochure, 1-800-362-5251. **Free.**

bike
nashbar
1-800-NASHBAR

15. Throughout the United States and Canada, millions of bicyclists choose Bike Nashbar as their source of quality bicycles, cycling accessories, and apparel! With 21 years of experience, it's easy to see why Nashbar offers the best prices and a wider selection than anyone in the industry. Don't waste your precious time shopping for what you need—go directly to the original source—Bike Nashbar. For your free subscription, call 1-800-NASHBAR, ext. 1184.



Recovery Engineering

16. Whether you're hiking the Rockies or trekking in Nepal, one drink of untreated water can make you sick and ruin your trip. Protect yourself with a PUR water purifier. Eliminates all Giardia, bacteria, and viruses. Compact and lightweight for easy packing. Call 1-800-845-7873. Free Catalog.

SAVE 35-70%
SIERRA
TRADING POST

17. Save 35 to 70% on name-brand outdoor clothing and equipment! Save on names like Marmot, Ketyl, Lowe, Raichle, Hanes, Daiofold, Merrell, New Balance, Columbia, and more. Satisfaction is always guaranteed. Call 307-775-8000, fax 307-775-8088 or write 5025 Campstool Rd., Dept. sc1195, Cheyenne, WY 82007. **Free.**

IN YOUR
FACE
CARDS



18. In Your Face Cards feature the works of syndicated cartoonist, Dr. Brian Moench. We offer humorous greeting cards, T-shirts, calendars, and a separate line of medical humor. If you've never lost your job, gotten divorced, or served time because of the cards you send we have the perfect antidote to your boring life. Catalog is 9" x 12", full color, and an errorloom itself. \$2.00.

MARKET GUIDE ADVENTURE

AFRICA

AFRICA!

In-depth group & private safaris. Excellent Guides.
East Africa, Botswana, Namibia.

VOYAGERS, Box 915-S,
Ithaca, NY 14851
1-800-633-0299



Africa

Distinctive Journeys to Asia, Africa,
the Americas, Europe & Antarctica

GEOGRAPHIC EXPEDITIONS,
(800) 777-8183

A member of the InnerAsia Travel Group

ASIA

INDONESIA!

Culture, Art, and
Adventure Travel

Trekking Tours

Irian Jaya • Bali • Sulawesi • Lombok

Journey to the jungles of Borneo in search of
orangutans • Witness the spectacular
ceremonies of Bali • Experience the primitive
cultures of Irian Jaya by trek • Sail to the
island home of the Komodo dragons.
Uncommon Adventures:

PASSPORT TO INDONESIA, INC.
2731 Tucker Lane • Los Alamitos, CA • 90720
(800) 303-9646

EUROPE • HIMALAYA
trekking/walking/culture
in some of the world's
most beautiful
places.
Above the Clouds Trekking 800-233-4499

Burma

Many new itineraries!
Trekking & wildlife trips.
Departures year round.
JOURNEYS own expert
guides and vehicles.
Quality Asian trips
since 1978.
Trips you can trust.

JOURNEYS
800-295-8735



HIMALAYA

EVEREST • TIBET • LADAKH • K2 • MUSTANG
BHUTAN • DOLPO • SPITI • MANASLU • SIKKIM • AND MORE

Walk in small groups to unspoiled places hidden in the
world's highest mountains. Live in pure culture. Walk back.

1-800-525-TREK

SNOWLION
TRAVEL

VIETNAM

The Adventure of a Lifetime !!

- customized small group travel
- cultural, ecological focus

THE GLOBAL SPECTRUM
Viet Nam is our only business!

Tel: (800) 419-4446 Fax: (202) 296-0815

Exotic Culture,
Natural History,
Rainforest Trek,
Elephant Riding,
Scuba, Snorkel,
Bamboo Islands.

THAILAND

Also trips to:
Indonesia, Malaysia, Burma,
Vietnam, Cambodia, Laos,
Fiji, New Guinea

CALL FOR CATALOG: 800-642-2742

Bolder Adventures
SPECIALISTS IN SOUTHEAST ASIA

'NEPAL-TIBET-PAKISTAN-BHUTAN'

TREKS FROM \$625 - PERSONALLY LED BY PETER OWENS
(LEADER OF 33 SIERRA CLUB HIMALAYAN TRIPS)

PHONE OR WRITE FOR FREE BROCHURE

HIMALAYAN TREASURES AND TRAVEL
3596 Ponderosa Trail, Pinole CA 94564
800-223-1813 or 510-222-5307 (SF area)

PAKISTAN WITH PAKISTANIS

CONCORDIA EXPEDITIONS, your premier
connection to Pakistan, offers superior and
affordable adventures to K-2, Hunza, Snow
Lake, Chitral and the Karakoram Glaciers.

CONCORDIA EXPEDITIONS, INC.
P.O. Box 4159, Buena Vista, Colorado 81211
(719) 395-9191
10% Discount to Sierra Club Members

Discover The Himalaya

Trekking, Climbing, Mt. Biking, Festivals, Safaris & Jeeping

PAKISTAN, K2, HUNZA, NEPAL, KARAS, DOLPO, BHUTAN, SIKKIM,
INDIA, LADAKH, ZASKAR, TIBET, ECUADOR, PERAGONA

Karakoram Experience
P.O. Box 10030, Aspen, CO. 81612
(800) 487-9675

Nepal

Guaranteed year-round departures
Friendly, skilled Sherpa leaders
Extensions to Bhutan, Tibet
Quality trips since 1978

JOURNEYS
800-255-8735
6071 Jackson, Ave. #200, SE 48103

AUSTRALIA/NEW ZEALAND

NEW ZEALAND - Mid Life Adventures!

Quality touring & adventuring
Designed for 35-plus year olds
seeking adventure in the great outdoors
Refreshing, personal small groups

For Brochure: (310) 829-5334

AUSTRALIA & NEW ZEALAND Walkabouts

Nature, Hiking, & the Outdoors

Personalized tours featuring hiking and
camping safaris, lodge stays, and island
resorts in Australia's Outback, Tropical
North, & Great Barrier Reef, New Zealand's
scenic National Parks & Milford Track.

Write for descriptive brochure:
PACIFIC EXPLORATION CO.
Box 3042-S
Santa Barbara, Calif. 93130
(805) 687-7282

Tour Adventures in the South Pacific



NEW ZEALAND

Hike through lush rainforests. Soak in hot streams.
Sea kayak along golden beaches. Immerse yourself in
the unique ecosystem and culture of New Zealand.
Come experience the true New Zealand with us.

BLACK SHEEP TOURING CO. LTD.
1-800-206-8322

Off the Beaten Path NEW ZEALAND HIKING

Unique three-week adventures for walkers and/or back-
packers who enjoy the beautiful pristine environment,
the people and the real South Island culture. Strong
emphasis on natural milieu! November thru April in
NZ warm months. Excellent country-gourmet food.
Overnights in real NZ homes and high-country sheep
stations. Food enterprise of long-time dual US/NZ
citizens. Sensible cost. Free brochure.

NEW ZEALAND TRAVELERS INC.
P.O. Box 605, Dept. S, Shelburne, VT 05482 USA
Phone 802 985 8865 FAX 802 985 8501

MARKET GUIDE ADVENTURE

CANADA

TATSHENSHINI

River raft through the wild heart of the world's largest protected area!
6-12 day explorations of Canada's rivers and coasts since 1972
CANADIAN RIVER EXPEDITIONS • 1-800-898-7238
Suite #24, 9571 Emerald Drive, Whistler, B.C.,
Canada V0N 1B9 (504) 938-6651

TOFINO EXPEDITIONS

Kayak the rainforest coast of British Columbia: Clayoquot Sound, the Inside Passage and Canada's Galapagos, the Queen Charlotte Islands. Latin American destinations: Baja's Sierra Gigante coastline and the azure-blue waters of the Sea of Cortez, or the lush jungle coastline of Honduras. Naturalist guides, fine food. Free brochure. No Experience Necessary.



TOFINO EXPEDITIONS LTD.
#202-1504 Duranleau St. Vancouver, BC V6H 3S4
Tel: 604-687-4455 Fax 687-8525 email: info@tofino.com
Website: <http://www.wimsey.com/tofino/>

Nova Scotia by Bicycle

Sea-Kayak & Hiking options. Small inns. Small groups.
Cape Breton, Prince Edward Island, Newfoundland, Scotland.
Why pay more for less? We live here!

Freewheeling Adventures

RR#1, Hubbards, Nova Scotia, B0J 1T8. 902-857-3609

CENTRAL/SOUTH AMERICA



COSTA RICA

Picture this: ballooning, whitewater rafting, jungle excursions, horse treks, 4X4 exploration, sea-kayaking, Latin dancing, excellent accommodations, and fabulous food.

SERENDIPITY ADVENTURES
(800) 635-2325

Forget this: tour buses, conventions, or mediocre adventure.

Personalized service, customist itineraries, unheard of adventures!

The Amazon

Our small groups explore the most pristine of rainforests with scientists as our guides. We also have trips in Costa Rica, Ecuador, and the Galapagos. *Free Catalog*

Ecotour Expeditions, 800-688-1822
P.O. Box 381066, Cambridge, MA 02238

AMAZON•ANDES•MAYA EXPLORATIONS (800)446-9660



Escorted rainforest, wildlife and cultural adventures! Treetop Canopy Walkway! Jungle lodges! Safaris! Amazon River Cruises! Machu Picchu & Cuzco! Guatemala! Belize!

AMAZON RAINFOREST WORKSHOP

Interact with world renowned scientists. Experience a new dimension in rainforest conservation - the ACCESS Canopy Walkway System & Amazon Rainforest Reserve. Feel excitement while witnessing nature's greatest spectacle on her mightiest river - the Amazon. 8 Days, Depart March 16, 1996. \$2898 all-inclusive from Miami.



INTERNATIONAL EXPEDITIONS INC.
800-633-4734

ONE ENVISION PARK • HELENA, ALABAMA 35080 • (205) 438-1700

GALAPAGOS! COSTA RICA! AMAZON!

In-depth nature tours. Small groups. Excellent value.



WAGERS P.O. Box 91556, Ithaca, NY 14851. 1-800-631-0299

Galapagos!

- the best naturalist guides
- the finest yachts
- 17 years experience

Wilderness Travel • 1-800-368-2794 x336

COSTA RICA BELIZE & HONDURAS

Explore Premier Parks, Wildlife Reserves, Mayan Ruins and Coral Reefs with Naturalist Guides. Year-round Departures.

Free Costa Rica Travel Planner
1-800-345-4453



WILDLAND ADVENTURES

3516 NE 155th St
SEATTLE, WA 98155
(206)365-0686

HEARTLAND OF THE MAYA

BELIZE

UNRIVALED EXPERIENCE. EXCEPTIONAL GUIDES. SUPERIOR ITINERARIES. SINCE 1980 I.E. HAS BEEN THE WORLD'S BEST SOURCE FOR HIGH-QUALITY TRAVEL TO BELIZE. CALL FOR DETAILED INFORMATION AND BROCHURE.



INTERNATIONAL EXPEDITIONS INC.

800-633-4734

ONE ENVISION PARK, HELENA, AL, 35080

GALAPAGOS

You, 9 other adventurers and our naturalist will explore by yacht more islands than any other Galapagos expedition. From simple adventures to splendid yacht charters, from scuba diving to serious hiking, no one else offers as many ways to experience the Galapagos because no one else specializes exclusively in the Galapagos. 60 trip dates. Machu Picchu option.

FREE BROCHURE.

Inca Floats

1311-BL 63rd St., Emeryville CA 94608
510-420-1550

Panama

Hike from Atlantic to Pacific in the footsteps of Balboa. Explore Garam Gap wilderness. 15-day trips depart Dec.-Mar.

JOURNEYS
800-255-8735

4011 Jackson Ave. Atlas, MO 64102



THE GALAPAGOS ISLANDS

Charter your OWN luxury CATAMARAN to birdwatch, scuba dive, snorkle or simply visit these unique islands on the AHMARA or ESCAPADA.

- Capacity for 10 passengers
 - Five double rooms w/private bathroom
 - Speed of 10 knots
 - Loa 48 ft.
- Create your OWN itinerary and spend 8 days SAILING the largest

"Natural History Museum of Evolution".
CHARTER PRICE: US\$ 14,500

"INCLUDES CREW AND NATURALIST GUIDE"
FOR MORE INFORMATION CAJ



IN THE USA: 1-800-752-6246
FAX: 593-2-567828 or 593-2-417121
PHONE: 593-2-223639
P.O. Box: 17171212

Quito-Ecuador

DARWIN'S ENCHANTED ISLANDS

GALAPAGOS

JOIN THE WORLD LEADER IN NATURE TRAVEL ON A DAWKINSON VOYAGE THROUGHOUT THE GALAPAGOS ISLANDS.



INTERNATIONAL EXPEDITIONS
800-633-4734
THE DAWKINSON TRAVEL GROUP, INC. BOSTON

MEXICO

BACKWOODS MEXICO

Last Outpost of Civilization

In the unexplored Sierra Madre, descend 7,000 feet down the wild and craggy cliff hanging road to the frontier town of RAYTUPULAS, inhabited by cowboys, miners and Tarahumara Indians. Stay at the restored Hacienda Hotel in lush mountains, mines, hidden cañons, ancient ceramics and world wide eroded rock formations. For the adventurous and flexible only.

COPPER CANYON LODGES U.S. OFFICE
1-800-776-3942

SPECIALIZING IN
WHALEWATCHING & SEAKAYAKING

Also: Costa Rica! Belize! Bay Islands! Montanal!

ADVENTURES
BAJA

CALL ADVENTURES
1-800-231-RICA

DISCOVER BAJA MEXICO

Whale Watching Sailing & Nature Cruises
Sea Kayaking Scuba Diving



BAJA EXPEDITIONS
2625 Garnet Ave, San Diego, CA 92109
Call 800-843-6967 for our free color brochure

MULTIPLE DESTINATIONS

DREAM IT. DO IT!

TURKEY - GUIDED TREK ADVENTURES - HISTORY & HERITAGE.
ECUADOR - RAFT THE RAINFOREST RIVER OF THE SACRED WATERFALLS.
FRANCE - CRUISE THE CANALS ON A LUXURY OR SELF-DRIVE BOAT.

LOW Remote Outposts Worldwide
Since 1979 PO Box 114-80, Santa Fe, NM, USA
CALL FOR YOUR FREE BROCHURE
1-800-451-6034

NEW ZEALAND or IRELAND

Explore remote areas with a small group, experiencing warm hospitality in unique country lodging.

SALMON RIVER OUTFITTERS

BROCHURE: (209) 795-4041
P.O. Box 328
Arnold, CA 95223

AFRICA COSTA RICA GALAPAGOS BELIZE

NATURAL HISTORY TRIPS
WORLDWIDE SINCE 1982

First Class Yacht Cruises, Trained Sailors.
Naturalist Guides

GEO EXPEDITIONS

800 351-5041
P.O. Box 966-812
Sonoma, CA 95376

Small Ships - Big Adventure!

Cruise right up to the beach!
Panama, Belize, Orinoco,
Bonaire, Virgin Islands, Aruba,
Bahamas, & much more!!

Call (800) 556-7450 for a Free Brochure.
American Canadian Caribbean Line

**AFRICA
AMAZON
GALAPAGOS
COSTA RICA**

ADVENTURE CALLING! Thrilling wildlife safaris in Kenya, Tanzania, Botswana & Zimbabwe. Low cost camping or deluxe. ■ AMAZON! Cruise, camp, hike or paddle the jungle wilderness. ■ GALAPAGOS! Swim, sail & snorkel Darwin's "Enchanted Isles." ■ COSTA RICA! Rainforest expeditions alive with dazzling birds & tropical wildlife. Small groups, expert guides, guaranteed departures.

FREE BROCHURE!
SPECIAL INTEREST TOURS
800-525-6772



BICYCLE ADVENTURE CLUB

A 12 year old non profit club with 34 US & international tours in 1996. Experienced volunteer leaders. You pay actual expenses + \$50. In the U.S., averaging \$25-60/day excluding meals, international tours average \$60-120/day, including breakfast & dinner. 75% are repeat tour participants. All tours include leader, maps, luggage wagon & reservations in good hotels.

3904 Groton St., San Diego, CA 92110.
(800) 775-2453, FAX (619) 226-1074.

ADVENTURE VACATIONS WORLDWIDE

HIMALAYAS & ASIA: Trekking, overland journeys, cycling, wildlife and cultural tours in Nepal, Tibet, Bhutan, India, Pakistan, China, Thailand, Burma, Vietnam, Laos, Cambodia, Indonesia, Borneo.

AFRICA: Camping safaris in Kenya and Tanzania, Kilimanjaro climbs, gorilla treks, London to Nairobi and Southern Africa overland, Morocco, more.

EGYPT, ISRAEL, TURKEY & JORDAN: Camping, Nile felucca sailing, diving, camel treks, overland/ferm, remote archeological sites, ancient cities.

EUROPE: Hiking and cycling in Switzerland, France, Italy, Spain, Greece, Britain, Ireland, Iceland.

SOUTH & CENTRAL AMERICA: Overland and eco-tours, rafting, Andean treks, Amazon, Galapagos.

Affordable adventures worldwide since 1978
Free full color trip catalogs and brochures.
Please specify your geographic areas of interest

Himalayan Travel
112 Prospect Street, Stamford, CT 06901
Toll Free (800) 225-2380, 24 Hours

ISLAND TRAILS

Hike * Bike * Dive * Kayak * Relax * in
DOMINICA, MONTSERRAT, SABA,
ST. EUSTATIUS, BARBUDA

Brochure: 919-233-2027 phone/fax

EUROPE

The Wayfarers

Exclusive Walking Vacations throughout Britain, Ireland and France



The Wayfarers, 172 Bellevue Avenue,
Newport, RI 02840. (401) 849-5087
Toll Free 1-800 249 4620
Fax: (401) 849 5878

HIDDEN IRELAND
Tours

IRELAND'S TOUR SPECIALISTS
WALKING, BIKING, FISHING & GOLFING TOURS

P.O. BOX 40014 MOBILE, AL 36640
800-868-4750

SWISS HIKE -- Day-hike tours,
Inn-to-inn treks, Independent travel,
great for families! June-Sept.

NEW ZEALAND: South Island Wilderness Walking,
small group hiking tour, Kiwi guide, Nov.- Apr.
SWISS HIKE, Box 401, Olympia, WA 98507-0401
Tel: (360) 754-0978 Fax: (360) 754-4959

Backpack Canada, United States, Peru
& Vietnam/Thailand

Backpacking treks and Base Camps on trails in scenic, exciting mountain areas in the U.S., Canada and Peru. Adult, co-ed groups. We have a great time! No experience necessary. REQUEST BROCHURE.

WILLIARDS ADVENTURE CLUB
Box 10 Barrie, Ontario, Canada L4M 4S9
(705) 737-1981

HIKING IN GREAT BRITAIN

- 1-3 all groups, experienced leaders, inclusive packages
- Comfortable, quality hotels with ensuite accommodation
- Grades from "easy" through "energetic"

the leader in walking holidays

Colour brochure available:
16 Norton Road, Nr Warrminster, Wiltshire, England BA12 7BB
Tel: INT+ 44 1985 840049 Fax: INT+ 44 1985 840853

Advertise in March/April! Closes Dec. 15
Call 206-883-1538

MARKET GUIDE ADVENTURE

Air Couriers Save Up To 80%



AIR COURIER ASSOCIATION
DENVER, COLORADO

Fly as an international courier. It's the cheapest way to fly to Europe, Asia, Mexico, Pacific Rim, Central/S. America. Over 600 rt flights weekly.

Free info kit 1-303-278-8810

The world's #1 active travel company

BACKROADS



Worldwide Biking, Walking, Running, Cross-Country Skiing & Multi-Sport Vacations

FOR FREE CATALOGS CALL

1-800-GO-ACTIVE

510-527-1555 or Fax: 510-527-1444

1516 5th St., Suite A400 Berkeley, CA 94710-1740

DOMESTIC TRAVEL

distinctive outdoor vacations



Deluxe Canoe and Walking Vacations throughout Vermont, Maine, Canada, England and Costa Rica. Country Inns or camping, with great food.

Call for our 24 page brochure

BATTENKILL CANOE LTD
Box 65-4, Arlington, VT 05250
800.421.5268

ADVENTURE VACATIONS BICYCLING & HIKING TOURS



FREE BROCHURE!
TIMBERLINE BICYCLE TOURS
7915 E. HAWKWOOD, #1 DENVER, CO 80231
(303) 759-3804

Yellowstone • Glacier • Idaho
Colorado • Canadian Rockies
Alaska • Santa Fe/Taos
Pacific Northwest
The Northwoods
SW Canyons
Nova Scotia
P.E.I.

Grand Canyon Raft Trips

• 3-18 day expeditions • 16 outfitters, widest choice of dates.
Vegas or Flagstaff • Owl, paddle, or motor rafts • Other rivers:
Mahn, Utah, Calif., Oregon, InTl. • Sea Kayak: Baja, Alaska,
Caribbean, more • Our service is fast, free, and comprehensive.

River Travel Center

e-mail: rivers@mcn.org 1-800-882-7238



Small groups in remote wilderness unfolding the unique natural history of the Brooks Range. Photography, Adventure, Peace of Mind. 22 years experience. Custom or scheduled Backpacking or Rafting trips.
WILDERNESS ALASKA
P.O. Box 113063, Anchorage, AK 99511 907-345-3567

adventure ALASKA

truly unique
7 - 17 day
small group
journeys

- River Adventures
- Sea Kayaking
- Sightseeing Trips
- Combination Trips
- Dog Sledding Trips
- Custom Air Trips

For more brochures: (800) 365-7057 246 W. 3rd Anchorage, AK 99501

DENALI NATIONAL PARK

EXPLORE DEWALI SOUTHSIDE

- GLACIER HIKES
- WILDLIFE TOURS
- WILDERNESS RAFTING
- 2-5 DAYS

DENALI RIVER GUIDES

P.O. Box 163, Seward, Alaska 99676 800-474-2697

ALASKA



DENALI NATIONAL PARK WILDERNESS CENTERS

Small, Mt. McKinley-View Vacation Lodges in the Remote Heart of the Park

Wildlife, Natural History, Guided Backcountry Hiking, Northern Studies Courses

907-683-2290
DENALI NAT'L PARK, AK 99755



ALASKA WILDLAND ADVENTURES

Why just sightsee Alaska when you can experience it? Our informative 24-page brochure describes how you can experience Alaska's most beautiful wilderness regions, see its famed wildlife, and stay in unique backcountry lodges and cabins.

- Natural History Safaris and Voyages
- Senior and Family Safaris
- Alaska Campout Adventure



For Free 24-Page Brochure Call:
800-334-8730
PO Box 389, Girdwood, AK 99587

ALASKA

GHOST TOWN



& GLACIERS!

Explore the wonders of America's largest National Park from the comfort of our first-class contemporary lodge.

KENNICOTT GLACIER LODGE
1-800-582-5128
Box 103940-S, Anchorage, AK 99510



Camp Alaska Tours

Because you can't experience Alaska in a hotel lobby.

P.O. Box 872247, Wasilla, AK 99687
(800) 376-9438

BICYCLE ALASKA!

- Eight Day "Best of Alaska" Tour
- Eight Day Klondike Gold Rush Tour
Alaskan Bicycle Adventures

2734 Blamna Avenue, Anchorage, AK 99517
1-800-770-7242

VACATION RETREAT

"On Top of the World"



Cross country, Powder and Telemark Skiing at Canada's Best Backcountry Lodge.

Parcell Lodge, Box 1829 Golden B.C. Canada V0A 1H0
Phone (604) 344-2639 Fax (604) 344-5520

BIKE/HIKE/SKI/COLORADO

Vacation in our stunning 1br. solar home on 70 acres at the foot of the La Plata Mtns. Hot tub, VCR, fantastic views. Direct access to National Forest. Tranquil, remote setting at 8,700 ft. off paved, plowed road near Durango. \$600/week. Tom Riesing (212) 604-0056, 433 W. 21st St., Apt 8F, Care of: Lomax, New York, NY 10011-2910

Glacier Bay Retreat

- six boat tours, charter fishing, island inn
- guides and ocean harvest dining



GUSTAVUS INN

Call or Write: P.O. Box 60, Glacier Bay, AK 99826
907-497-0255 FAX 907-497-0255

CLOTHING/EQUIPMENT

MAINLY WOOLENS

Handcrafted, 100% wool socks from the moosey woods of Maine. ♦ and ♦
100% wool throws and blankets. Many styles, colors and sizes.

WRITE OR CALL FOR FREE CATALOG
ph. 1-800-277-WOOL P.O. Box 1411 Bodega Bay, CA 94923

Free Catalogue

OF RECYCLED & RESTYLED CLOTHING
1-800-400-6532 EXT-6093
V. B. RECYCLED RAGGS

THE POKE BOAT®

IT'S EVERYTHING A CANOE ISN'T.

A canoe is lippy. A Poke Boat isn't. It's remarkably stable.

A canoe is hard to turn and difficult to keep in a straight line. A Poke Boat isn't. It stays in a straight line, yet is easy to maneuver.

A canoe is heavy. A Poke Boat isn't.

It weighs only 22 pounds - built with aircraft strength.

You can buy more than a canoe.

For more information, give us a call.

606-986-2336.



Free Binocular Buying Guide



Call 800-624-8107

for the best prices on Bausch & Lomb, Leica, Nikon, Swift & More!
National Camera Exchange

9300 Olson Hwy, Golden Valley, MN 55427

PRODUCT/SERVICES

HOLIDAY CARDS AND STUFF FOR OUTDOOR FOLKS

- Many more Designs
- Recycled Paper
- FREE Brochure

AZ You Like It Cards™

#951, P.O. Box 1881, Wash., DC 20013

Call 202-548-4654 • Toll Free Fax: 800-601-4804

ENVIRONMENTAL OPPORTUNITIES

Monthly bulletin lists jobs throughout the U.S. Write for FREE descriptive brochure: EOG P.O. Box 547158, Surfside, FL 33154, CR-367-367-4

Environmental Careers

Environmental & natural resource vacancies from non-profit, private, & government employers. Two issues each month list opportunities nationwide. A 6 issue trial subscription is only \$19.50. **Subscribe today!**

The Job Seeker

Dept GA, Rt 2 Box 16, Wauwesa, WI 54666

adventurewagen MARK IX FORD SUPER CLUB WAGON



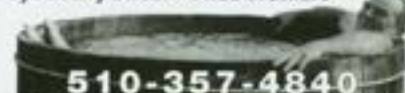
A Fuel Efficient, Self-Contained Compact Motorhome. In addition to the Mark IX four sleeper shown above, we continue to produce the Mark VIII two sleeper conversion for the Ford Regular Club Wagon. Our experience as designers and manufacturers of compact motor homes dates back to 1963. We originated the concept, and were first to introduce a fiberglass extended roof. We have earned our reputation as builders of the industry's finest quality and most versatile and user friendly of all Class "B" motorhomes.

R.V. features include our aerodynamically sound insulated fiberglass top, full headroom, excellent screened ventilation, refrigerator, range, ducted furnace, purified fresh water system, hot water, shower, holding tank, toilet, solar charged deep cycle battery system, comfortable double bed with one-piece mattress that folds away "made-up", and elegant yacht-like look interior.

Send \$3.00 for full color brochure and prices
ADVENTUREWAGEN, INC.
17851-S HIGHWAY 1, FORT BRAGG, CA 95437

The Original Redwood Hot Tub

Buy Factory Direct - FREE Brochure



510-357-4840

T.E. Brown, Inc. 14361 Chapman Rd., San Leandro, CA 94578

Ad-Venture Outdoor People

Lists 60-word descriptions of active outdoor-oriented Singles and Trip Enthusiasts nationwide.

Outdoor People - SA

P.O. Box 600 • Gaston, SC 29063

\$5/issue
\$2/Ad

SINGLES NETWORK

Single people interested in science or nature are meeting through Science Connection.

Contact us for info: 1-800-667-5179

P.O. Box 188, Youngstown, NY 14174

e-mail: 71554.2180@compuserve.com



Entrepreneurs, environmental friends. Distributors needed in USA. New, European, patent-pending compost-recycler for household use. Huge business potential with our system. Fax 1 page interest, qualifications: Green J Trading (608) 241-5220

BACKYARD HOT TUBBER

Save Thousands RELAX IN OUR WOOD FIRED HOT TUB!

The easy to assemble, affordable WOOD-FIRED hot tub systems are ideal for homes and vacation cabins anywhere.

The systems are energy efficient with no electricity, pumps or filters needed and... No freezing problems.

30 day satisfaction guarantee!



PACKAGES STARTING AT \$1985.
Free Bonus GIFT, too!

snorkel hot tubs

Snorkel Stove Company

Wood Fired Hot Tubs

Dept. SE 95111

4216 6th Avenue South

Seattle, WA 98108

Yes, send me FREE information

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____

CELL TECH ENERGY FOR LIFE

THE OPPORTUNITY OF THE 90'S

Distributors wanted—earning part-time income. \$1,000-\$3,000/mo. within 1 year. A solid, 11-year-old Northwest company that is at the leading-edge of the environmental (Greenwave!) with its line of extraordinary, organically-grown nutritional products.

(800) 967-9811

EDUCATION

Fully Approved University Degrees! Economical home study for Bachelor's, Master's, Doctorate, fully approved by the California State Council for Private Postsecondary and Vocational Education. Prestigious faculty counsels for independent study and life experience credits. Free information: Richard Crews, M.D. (Harvard), President, Columbia Pacific University, Dept. 126N, 1415 Third St., San Rafael, CA 94901; 800/552-5522 or 415/459-1650.

EARN YOUR COLLEGE DEGREE AT HOME

- Business Administration, Environmental Science/Management, Psychology, Criminal Justice, Health Care Administration, Accounting, MIS, and Finance
- B.S., M.S. & M.B.A. available
- Approved by major companies

Free catalog: 1-800-767-CHAD

CHADWICK UNIVERSITY

401 UNIVERSITY BLVD. WOODBRIDGE, VA 22191

OUTDOOR CAREERS!

Home study. Train for a career in conservation, forestry, wildlife, parks, zoos, rangers. Free literature: 800-223-4542

Name _____ Age _____

Address _____ Phone _____

City/State/Zip _____

School of Conservation, Dept. 100M119
PCD, 6065 Roosevelt Rd., Atlanta, GA 30328

Advertise in AdVenture! It works!

For information, call 206-885-1538

The opposable thumb.

*Richard Gleaves
San Diego, California*

The wheel, the mother of inventions, the de-invention of which would immobilize all motors and, in one fell swoop, eliminate a host of other environmental nuisances from chainsaws to snowmobiles. Would anyone dare to re-invent it?

*Sivami Paramananda Saraswati
Nederland, Colorado*

Bulldozers are always rumbling angrily along destroying everything in their path. All living things are helpless victims of these huge metal monsters. Perhaps if man had to clear the land by hand, there'd be fewer shopping centers and superhighways desecrating our landscapes.

*Jean M. Cook
Berea, Ohio*

No single piece of office equipment has been more misused than the photocopier. How many times have you or a coworker made unnecessary photocopies simply because such a machine exists? I can't imagine how many resources are squandered for this convenience. Think of all the forests destroyed and toxic chemicals produced for the purpose of drowning ourselves in useless copies.

*D. L. Aiken
Gastonia, North Carolina*

I'd delete the television from 20th century history. For all the education it provided me as a child, this "vast wasteland" robbed me of more sunny days outside than I care to recall. I've only just begun to enjoy the outdoors and to commit myself to help care for our natural environment. We can teach our children without the aid of a purple dinosaur if we just turn off the tube and try.

*Barry Miller
Austin, Texas*

Without a doubt, the horrible leaf blower. Along with leaves, it blows dust, dirt, rodent droppings, bird waste, pollens, molds, bacteria, and viruses into the air we breathe. It also emits carbon monoxide gas.

Last but not least is the noise pollution factor. Operators wear protective ear coverings because of the potential for hearing loss, but what about the rest of us? To everyone who has such a device I say, lock it away forever. Buy a rake, a broom, and a dustpan, and burn a few calories.

*Pat Ernst
Seattle, Washington*

IF YOU COULD DE- INVENT ONE MACHINE, WHICH WOULD IT BE, AND WHY?

Suburban sprawl, abandonment of our urban centers, loss of rural lands and countryside, ever-widening ribbons of concrete and asphalt, monster malls, the *Valdez*, the Gulf War, endless seas of spent tires and rusting hulks, smog alerts . . . all this, plus easy finance and cash back on your trade-in! With no hesitation: the automobile.

*Jeffrey W. Leinartz
Cleveland, Ohio*

I'd de-invent the jet-ski. It races around otherwise peaceful lakes like a demented whirligig beetle. It makes a noise like a bumblebee trapped inside a motorbike helmet. Its foul odors seep across the water surface to choke unwary swimmers. It is an abominable machine with no redeeming virtues.

*Ann Cooper
Boulder, Colorado*

The most devastating machine created is the political lobby machine, with its influence on weak-minded politicians. A case in point is the way the 104th Congress attacks the laws protecting us from ourselves while giving carte blanche to greedy, polluting, money-hungry corporations.

*Al Macabee
East Patchogue, New York*

I'd de-invent the infernal internal combustion machine. The aftermath would be varied, far-reaching, and spectacular. Travel would be powered by renewable energy, or we'd revert to horse-drawn conveyances,

bicycles, etc., in this Brave Old World. There would be minimal oil drilling, air and water pollution. Global warming and ozone depletion would be slowed. Perhaps we'd all be so busy working to keep our heads above water there would be less demand for new prisons, exercise clubs, and psychiatrists.

*Anita Brown
Colorado Springs, Colorado*

De-invent the automobile and re-invent the idea of walking—a slower way to watch the trees go by.

*Seth Muller
Morgantown, West Virginia*

I'm all for de-inventing any motorized contraption in the kitchen. They waste energy, require meticulous cleanup, and they're so wimpy. Apply a little muscle power to ordinary food utensils—the grater, the meat grinder, the whisk, a sharp knife—and you can whip up a meal anytime you want. Rely on electric gizmos during a power outage and starve by candlelight.

*Jewell Scott
San Francisco, California*

For sheer mechanical cussedness, no other machine comes close to the snowmobile. Anyone who has ever had the contemplative solitude of a cross-country ski trip interrupted by one (or more!) of these obscene mega-decibel fume-belchers will join me in my devout desire for their de-invention—if only to save ourselves from the less charitable wish for ski-touring bazookas.

*Honore Fisher
Truckee, California*

The human race got along without air-conditioning for millions of years. In fact, relating to the heat in natural ways encouraged civilized behavior, like afternoon siestas, while producing a beautiful, cool architecture of arcades and shaded gardens. But now, instead of lying down in green pastures beside still waters in the heat of the day, we drive to energy-wasting, air-conditioned ziggurats of international capital, contributing, ironically, to global warming that stokes the demand for more air conditioning and more power plants.

*Ether Bronstein
Milwaukee, WI*

Th
Est
Pet
Wim

FOR NEXT TIME . . .

DO YOU HAVE A FAVORITE NATURAL PLACE THAT NO LONGER EXISTS? WHAT HAPPENED?

Send your pithy responses to "Last Words,"
Sierra, 730 Polk St., San Francisco, CA 94109.

Our e-mail address is:
sierra.last.words@sierradub.org
Fax: 415-776-4868



*Where Nature, Beauty
and Memories meet.*

*I enter a door made of
lush, green trees.*

*I walk through, into a
world of fantastic color.*

*Frightened lizards race
through a rainbow of wild
orchids. And the song of the
coquí echoes through this
tropical wonder.*

This is nature's reality.

So near.

*So easy to reach,
to touch.*

*Memories of this
adventure in America's
rain forest will last much
longer than the brief time
I've been able to stay here.*

to Rico.

vacation was always meant to be.

PUERTO RICO

travel agent or: 1-800-860-7827

Discover the Continent of Puerto Rico.

Right here in the U.S.A.

*Only Puerto Rico puts so many vacation
experiences within your reach.*

Why did I choose to dress so stylishly
on remote rivers where the wind howled and
the water was cold enough to kill?

-Andy Bridge

A 19-DAY ARCTIC KAYAKING TRIP SUBJECTED ANDY BRIDGE, A MEMBER OF THE U.S. WHITEWATER TEAM, TO CONSTANT BATTERING FROM BAFFIN ISLAND WINDS AND RAPIDS. HIS DEFENSE WAS A WINDPROOF, WATER-REPELLENT AMORAK MADE OF POLARTEC® WINDBLOC® FABRIC. IT NEVER FAILED HIM, NOT EVEN WHEN BONE-CHILLING WINDS BROUGHT THE TEMPERATURES DOWN TO -6°F.

 **POLARTEC®**

Climate Control Fabrics®

MAKE SURE YOUR OUTDOOR GARMENT HAS THIS LABEL.

POLARTEC®, POLARFLY®, POLARTEC™, POLARFLEECE® AND WINDBLOC® ARE TRADEMARKS FOR PRODUCTS MADE IN THE U.S.A. ONLY BY NELSON BULL®. © 1997 NELSON BULLS INDUSTRIES, INC.