



THE GROWN-UP ZONE SEPTEMBER/OCTOBER 1990

You have in your hands the back-to-school issue of P3, The Earth-based Magazine for Kidsi Back in issue #1 we told you putting out a magazine is tough. It remains tough. As we go to press, it looks like P3 will be printed five times this school year. Don't worry about your subscriptions. We'll fulfill our obligation to send you 10 issues before we ask you to renew.

This month we're introducing themed issues. Theming streamlines the focus and allows us to examine important and far-reaching environmental topics from many perspectives. With each article firmly anchored to a single topic, a themed P3 gives readers a more thorough understanding of the depth and breadth of the problem.

We've chosen Garbage as our first theme. Garbage on Planet 3 is quickly reaching critical mass. As our cover illustrates, we're running out of places to put our waste yet we continue to produce more and more of it every day. Not only is it encroaching on human habitat, it's destroying wildlife habitats and, more tragically, killing other earthlings as well. We must all make an effort to cut down on what we throw out. That means shopping differently, using things more than once and redefining what we mean when we say "garbage".

Garbage/Ungarbage tackles the task of separating non-reusable, nonrecyclable, human-made trash from organic, compostable waste material. Even beginning readers will grasp the difference between these two categories thanks to the graphic depiction of the items that fall into each. Families and classes can make Daily Garbage Output (DGO) Reports and list the items they toss in a single 24-hour period. The results will stun you. Sit down with your children to strategize ways you can all reduce, reuse and recycle. Wherever possible, start a compost heap. Schools can team up with the cafeteria to start one in the schoolyard and make the compost available to community families for their gardens. Urban families can start compost heaps by putting non-meat food scraps in flower pots or window boxes.

The garbage glut's global effect is spotlighted in both Action-Packed America and Other Earthlings. Action-Packed America focuses on Greenpeace's efforts to put a stop to the ugly, often lethal litter legacy left by scientific and military personnel stationed in Antarctica. Other Earthlings zeroes in on how our plastic garbage kills over 30,000 northern seals each year. As always, P3 provides addresses and actions to empower readers to help save everyone's favorite planet.

The response from schools and individual subscribers continues to be positive and uplifting. Thank you all for your enthusiasm. We are actively seeking foundation and corporate support. If you're a CEO or Foundation Director or know anyone who fits that description, please contact us. Every subscription helps, too. So spread the word about PS so PS can continue to spread the word about Earth.

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VOL. 1

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P3 is printed on recycled paper. Cover Sculpture © Richard McNeel









Earth Care Paper Company



Before

John and Carol Magee sell birthday cards, stationery, envelopes and wrapping paper. What's so unusual about that? All their paper products are made from recycled waste paper. That's good business. Paper made out of paper cuts down on garbage, uses less energy and saves trees. "Paper that people throw away is what we use to make the paper we sell, " says John. If you want to start using recycled paper, send for an Earth Care catalog. Write to: Earth Care Paper, PO Box 3335, Madison, WI 53704



...after.

It's Earth-positive! It's practical! It's profitable! It's...

GARBAGE INTO UNGARBAGE!

A lot of companies are in the business of turning garbage into ungarbage.

Here are two of them.

Sewell Plastic Company



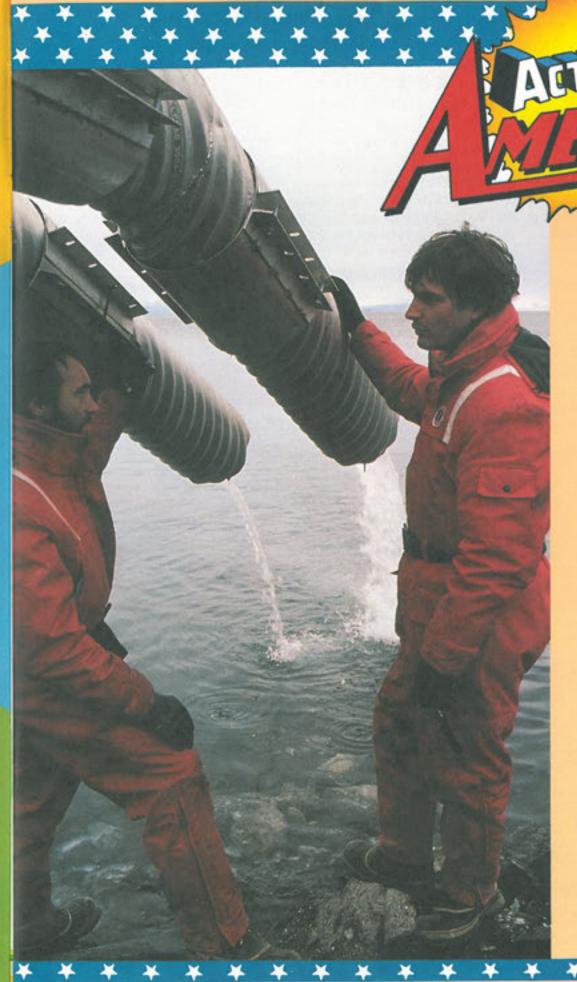
Before...

Plastic. It's tough. It doesn't break when you drop it. And when you throw it away, it doesn't go away. Unless you recycle it. That's why companies like Sewell Plastic make PET, a plastic that can be recycled safely, cleanly and quickly. When your PET soda bottles are recycled, they become things you wouldn't believe: ski jacket fillings, sleeping bag fillings and even carpeting.

The next time you walk on a new pink carpet, you might be walking on an old bottle of A&W Root Beer. If you want more information on PET plastic, call this number: 1-800-762-7267.



...after.



TRASHBUSTERS

Greenpeace moves in to move garbage out of Antarctica!

Antarctica. Its rocky shores are home to thousands of seabirds, seals and penguins. For 4 million years it's been covered by a sheet of ice more than 2 miles thick.

Now something else has begun to cover Antarctica, too: garbage.

In 30 short years, international scientific and military bases have polluted the last clean continent on Planet 3 with their waste. And human-made garbage is not just messing up the way Antarctica looks. It's also threatening the lives of thousands of other earthlings who live there.

Unless something is done, things will only get worse. The countries are there to find ways to dig up and transport the gold, copper, iron, continued on next page

Paul Bogart (r), Peter Wilkinson (I) inspect garbage hot spots in Antarctica. This pipe carries waste from military and scientific bases to the ocean. continued here

lead and oil under Antarctica's ice and oceans. And if people start drilling, there'll be more garbage than ever and a lot of it will be poisonous.

Paul Bogart doesn't want to see that happen. Neither does Greenpeace, the Earth-action outfit he works for. That's why Paul and a team of 22 Greenpeace trashbusters set up camp at Greenpeace's Antarctic base to study and photograph the situation. They didn't like what they found.

"The bases were dumping their garbage off the coast," says Paul. "They were spilling oil in the water and littering everywhere."

The Greenpeace team discovered that one American base at Winter Quartrers Bay was leaving their garbage on the ice. When summer came and the ice melted.



Greenpeace brings <u>all</u> its garbage back from its World Park Base.

its garbage fell through into the bay. When a Greenpeace diver put on his wetsuit to explore the underwater dump, he even saw a truck at the bottom of the bay.

LETHAL LITTER

There are more than 30 yearround bases from over 20 countries along the coast of the frozen continent. The coast is also where the seals, penguins and seabirds make their nests, have their babies and catch their food. That's why garbage is so dangerous. Plastic, pieces of wire, old fencing, spilled oil and even human waste have caused the wildlife to change their habits. Human-made garbage has forced some animals out of nesting areas they've used for hundreds of years. Others have to lay their eggs in trashed areas.



"I've seen penguins get caught

Military and scientific outposts left toxic garbage on the Antarctic ice.



Penguins can get badly hurt crossing through human trash to reach the sea.

in pieces of wire and old fencing as they try to get to the ocean from their nests," Paul told your Earth-based reporter. "That makes me frustrated. This is our last chance down here and we're making the same mistakes."

Paul Bogart and the Greenpeace team were the first to draw attention to Antarctica's garbage crisis. Their work enabled them to go after the governments and make them change the way they dispose of their waste.

LITTER-FREE ZONE

"They've begun to clean things up," says Paul. "The American base stopped putting their garbage on the ice and has begun to separate, recycle and bring trash back to the USA to throw away. But there's still a long way to go."

Greenpeace wants all the governments to bring all their garbage back to their own countries.

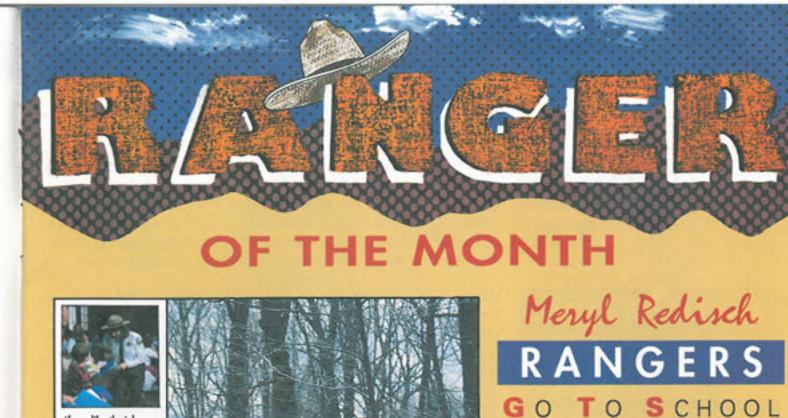
"It's what we at Greenpeace do," says Paul.

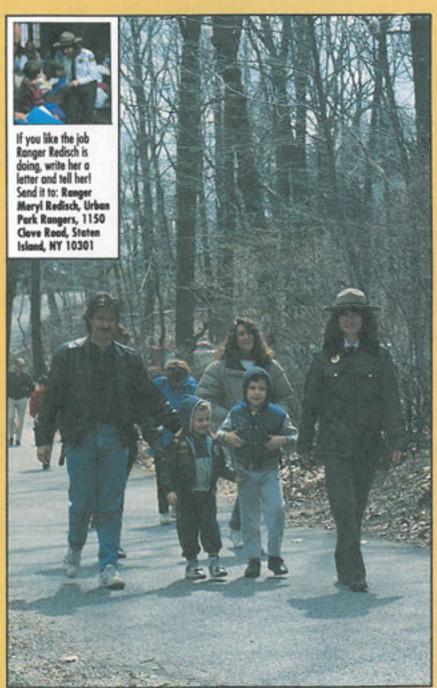
Greenpeace also wants the world to turn Antarctica into the first International Wilderness Reserve. That means no littering, no mining and no oil drilling.

"We want to see Antarctica as it is now, forever," says Paul.

If you want to help Paul Bogart and Greenpeace save Antarctica for the future, write to your Senator. Your parents, teacher or librarian will know who that is. Ask him or her to support the Antarctica Protection Act of 1990. Send your letter to: YOUR SENATOR, The United States Senate, Washington DC 20510.

And while you're at it, write to Paul Bogart and tell him what a good job you think he and Greenpeace are doing. Here's the address: Paul Bogart, Greenpeace, 1436 U Street NW, Washington DC 20009.





all buildings block the sun. Buses spew black, bad-smelling fumes into the air. People rush along crowded, dirty sidewalks. It's the city and there isn't very much room for trees, arass or animals.

Except in the parks. City parks are a gift of green in a hard cement world. And High Rock Park in Staten Island, New York is where you'll find Ranger Meryl Redisch.

Just a few miles away from the biggest garbage dump on Earth are acres of woodlands, marshes and meadows where Ranger Redisch works. She develops programs that teach city kids about the way nature works in their parks.

"City kids can learn about the environment by studying the city parks," Ranger Redisch says. "So we go to the schools and teach them."

The kids are pretty impressed when rangers in uniforms walk into their classroom. They're excited at the chance to talk about the wild animals, plants and fish that are their neighbors.

"We try to teach kids that the city parks are everyone's responsibility," Ranger Redisch told your Earth-based reporter. "Kids need to know that any garbage on the ground or in the water in our parks can hurt the plants and animals there."

For many city kids, urban parks are the only place they can see a raccoon track, smell the perfume of new flowers or plant a tree. That's why Ranger Redisch thinks her programs for kids are so important.

"I want them to know that Earth Day has to be every day," she says.

9



Leaching

Picture a garbage dump with inky pens, leaky batteries and an old oil can or two. It rains. Water passes through the garbage and into the soil. It carries with it some ink, some mercury from the battery and a little oil. That's called leaching. The poisoned water seeps into the ground and poisons any other water it runs into — including drinking water.

Toxic Waste

When you hear toxic waste, think poison. When oil is turned into fuel, plastic and rubber bands, toxic waste is released. When film is turned into pictures, toxic waste is left over. Toxic waste is a big problem. And most major industries keep making more of it every day.

Biodegradable

Anything that can break down without releasing harmful chemicals or gases is **biodegradable**. All ungarbage is **biodegradable**. So are brown paper bags. So are you.

Organic

Natural matter that has nothing human-made added is organic. Most biodegradable garbage is also organic.

Compost

When biodegradable ungarbage is piled outdoors in the sun and air, it breaks down into a rich, dark soil called **compost**.

Compost is great for gardens. Plants really "grow" for it!

Recyclable

Human-made garbage like soda bottles, paper and tin cans are **recyclable**. They can be made into new bottles, paper, cans, park benches, carpeting and ski jacket filling.



& his mom









hen Ms. Lee's 3rd graders at Clearcreek School in Ohio tracked their Daily Garbage Output (DGO) for P3, they were stunned. In one day, nine kids threw away 109 pieces of garbage...and ungarbage! They tossed plastic bags, or-

SPECIAL ASSIGNMENT

ange peels, green gummy bears, pudding containers, straws, juice boxes, scrap paper, paper napkins, soda bottles, apple cores, dead batteries, plastic forks, candy wrappers and more.

"Just think of these totals multiplied by the world's population," said 3rd grader Mary Dodge. "Unbelievable!"

Ms. Lee and her class have helped their school start recycling white paper. So far they've recycled 285 pounds!

WHAT YOU CAN DO!

Help keep P3 a green, clean eco-machine!

The White House uses styrofoam cups and does NOT recycle any of its garbage. Write to President and Mrs. Bush and tell them to do Earth a favor — recycle! Here's their address: President and Mrs. Bush, The White House, 1600 Pennsylvania Ave., Washington DC 20501

If something you buy comes in a non-recyclable container, send it

back. The address is usually on the bag or box. Write a letter telling the people who make it to make the switch to Earth-positive packaging.

Bring your knapsack to the supermarket and pack your groceries in it. Tell your parents to bring their own bags, too.

Track your Daily Garbage Output (DGO). Write down everything you throw away from the minute you get up until you go to bed at night. See how much garbage you can cut down on by reducing, reusing and recycling.

Start a compost heap at home and at school. For more information on how your school can compost cafeteria leftovers, write to: Division of Solid Waste Management, Agency of Natural Resources, 103 S. Main Street, West Building, Waterbury, VT 05676. Ask for the cafeteria composting





continued here

Northern seals have been swimming and fishing in the frigid salt water of the northern Pacific for hundreds of years. Their thick fur and muscular flippers help them catch salmon, squid and herring. But in the last 40 years, too many of them have been caught in plastic garbage and died.

Most ocean garbage comes from fishing boats. And our Navy throws all its garbage - including more than 1,000 pounds of plastic - into the seas every day.

Oil companies are big ocean polluters and not just because of killer oil spills. Offshore oil rigs are awesome drills that dig deep under the ocean for oil and gas. Rig workers toss thousands of hardhats and big plastic rings into the ocean every year.

Families who leave plastic bags and six-pack rings on the beach are ocean polluters, too.

Seals aren't the only animals killed by plastic garbage. Sea turtles have been found with plastic bags and old balloons in their stomachs. So have whales. And seabirds and fish get caught in plastic nets, fishing lines and six-pack rings, too.

Fishermen and women are beginning to understand that if the ocean is full of their garbage, they won't be able to fish. So they're starting to bring their trash back to shore with them. That's good.

In 1987, Congress passed a law that requires fishing boats to bring garbage back. That's good, too.

Popeye's even helping. He stars on posters that remind people not to throw plastic overboard.

Beach clean-ups help cut down on ocean pollution, too. On one Texas beach, over 15,000 six-pack rings were collected in three hours. That probably saved a lot of seals. Ocean currents can carry garbage from Texas beaches all the way to the waters the seals fish in.

These Earth-positive actions are a good beginning. After all, we're the only ones who can clean P3's oceans - and keep them clean.

NORTHERN SEALS AT A GLANCE

FAVORITE FOOD: Squid, salmon, herring and cod WEIGHT AT BIRTH: 9 pounds

AVERAGE ADULT WEIGHT: Males: 600 pounds Females: 150 pounds

SWIMMING STATS: Females and pups swim over 2,000 miles south to spend the winters in the warm waters near San Diego





here.

...and after the clean up.

P3's Easy-to-Read RECYCLABLE **Do-It-Yourself** Save the Seals Kit

Here are some steps you can take now to make sure there are plenty of northern seals swimming in clean oceans in the future!

The US Navy is still dumping tons of trash into the sea. President Bush is the Commander-in-Chief. Write him and tell him what you think of the Navy's garbage habits. Send your letters to:

President George Bush, Commander-in-Chief, 1600 Peansylvania Avenue, Washington DC 20501

Send a letter to the Secretary of the Navy, too. Here's his address: Henry L. Garrett III, Department of the Navy, The Pentagon, Washington DC 20350

2 Anytime you see a six-pack ring on the ground, pick it up. Take it home and cut all the loops with a pair of scissors before you throw it away. That way, even if it reaches the oceans, it won't choke any birds, seals or fish.

If you live near the beach, get involved in a beach clean-up program. There are lots of different kinds. For information write to: Center for Morine Conservation, 1725 DeSales Street NW #500, Washington DC 20036.

Don't buy soda in six-pack rings. Buy plastic or glass bottles instead. And don't forget to recycle them!

THE CALL OF THE WILI

I he wolf is a beautiful and very intelligent animal. When the world was more wild, there were many wolves. But men hunted the wolves and drove them away. Today there are few wolves left in the United States outside of Alaska.

Wolf expert David Mech says that the wolf is an animal that we all need. He thinks that Yellowstone National Park in northwestern Wyoming is a place where wolves should be allowed to live. But there are no wolves in this large, wild park today.

Because the wolf is now listed as an endangered species, part of the federal government's responsibility is to make sure that the wolf can again live in places like Yellowstone, where it can balance populations of elk, moose and other prey.

Although wolves should be a part of the natural wildlife of Yellowstone, many political problems have prevented their return. At Patagonia, we support efforts to bring the wolf back to Yellowstone and to conserve healthy wolf populations elsewhere in North America.

The Wolf Fund, a small non-profit conservation organization based in Moose, Wyoming also believes that wolves belong

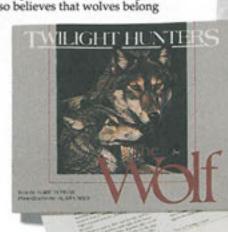
back in Yellowstone and that they can be reintroduced without endangering ranching or hunting in the region. Patagonia supports The Wolf Fund by donating \$1.00 from the sale of every Kids' T-Shirt you see here.

If you would like more information on The Wolf Fund, please write:

The Wolf Fund P.O. Box 471 Moose, WY 83012

For information on the groups we support, please write:

Patagonia Environmental Program P.O. Box 150, Ventura, CA 93002





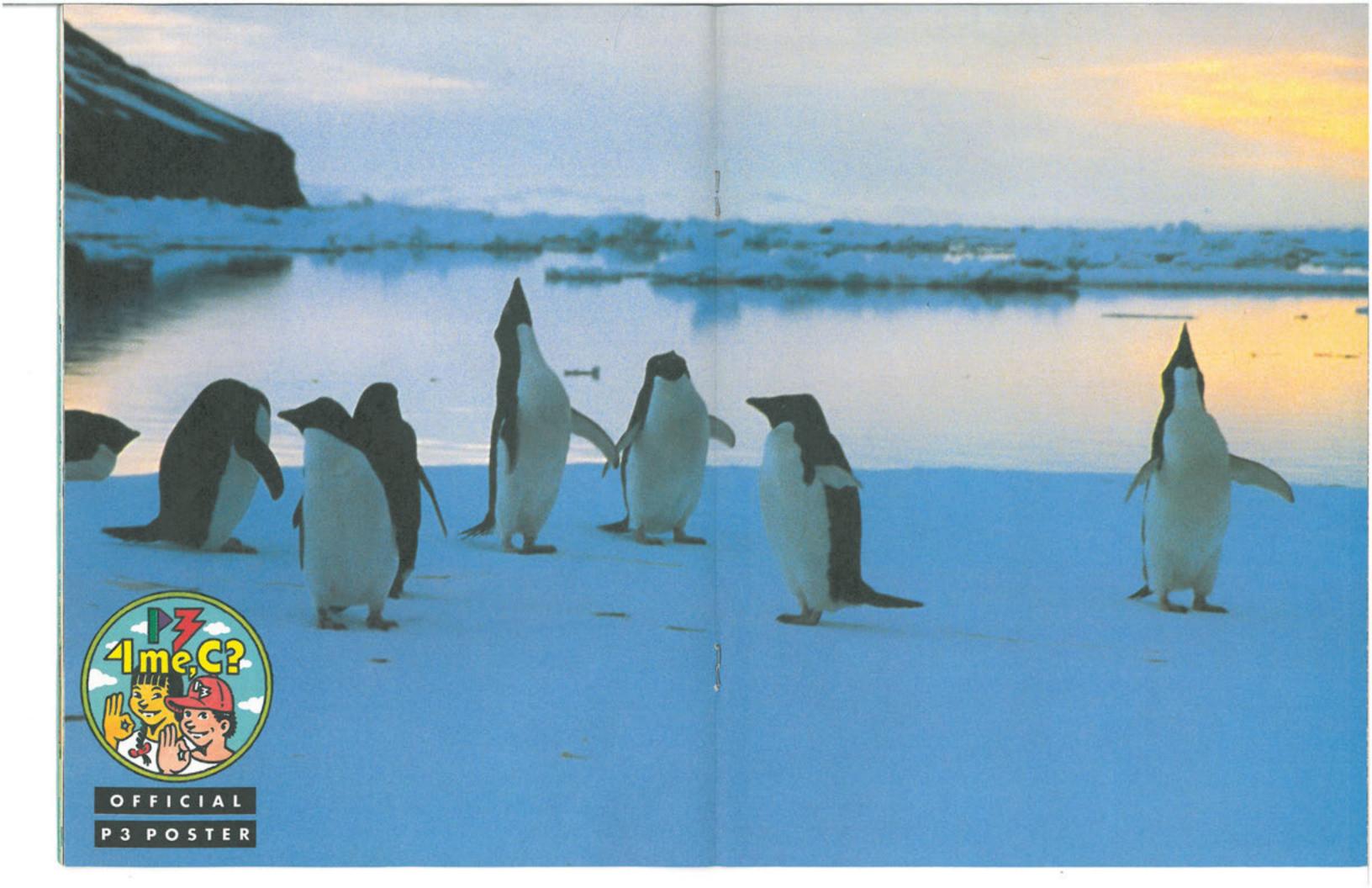




For information on The Wolf T-Shirt or other Patagonia® Kids' products, call 800-336-9090, or write Patagonia Mail Order, 1609 W. Babcock, P.O. Box 8900, Bozeman, MT 59714.

Patagonia donates at least 10% of its pre-tax profits to preserving and restoring the natural environment C Patagonia, Inc. 1990



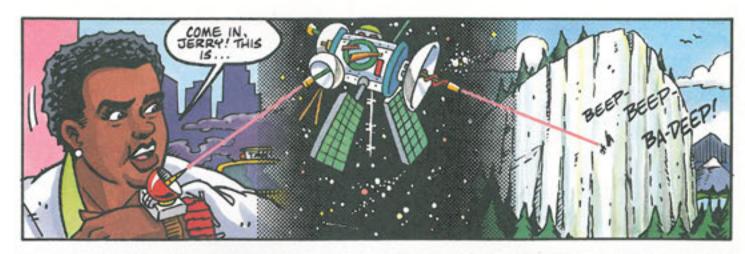












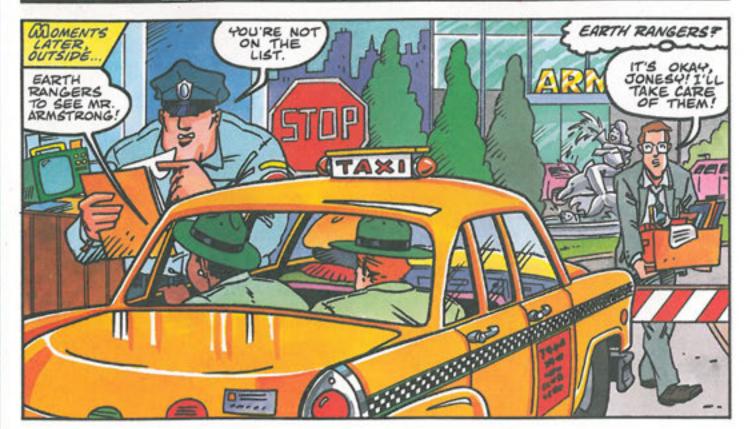


















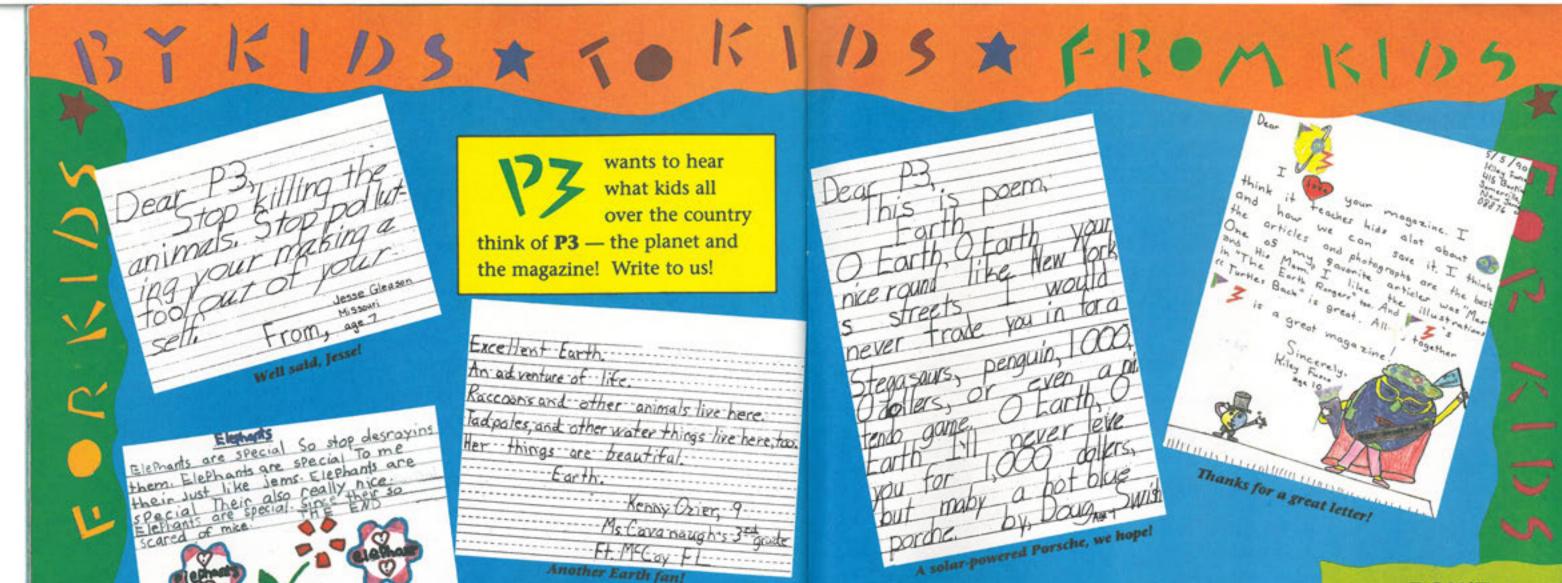












Thanks for writing. Please write again and tell us your name.

Another Earth fant

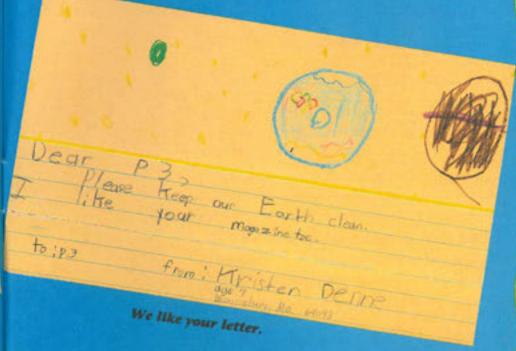
Another Earth fant

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alloons for y s burg, age 7

Debbie's right. Hold on to those balloons!



DON'T

FORGET

TO WRITE

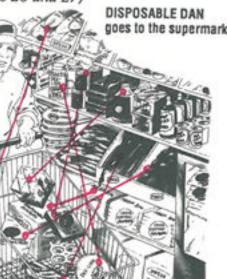
You're an important part of the P3 Team! P3 wants to hear from YOU! Tell us what YOU think of life on Earth! Tell us what YOU think of P3! Send us your letters, cards, poems, photos and drawings.We'll print as many as we can every month. Send all that mail to:

> P3 Magazine P0 Box 52 Montgomery, Vermont 05470

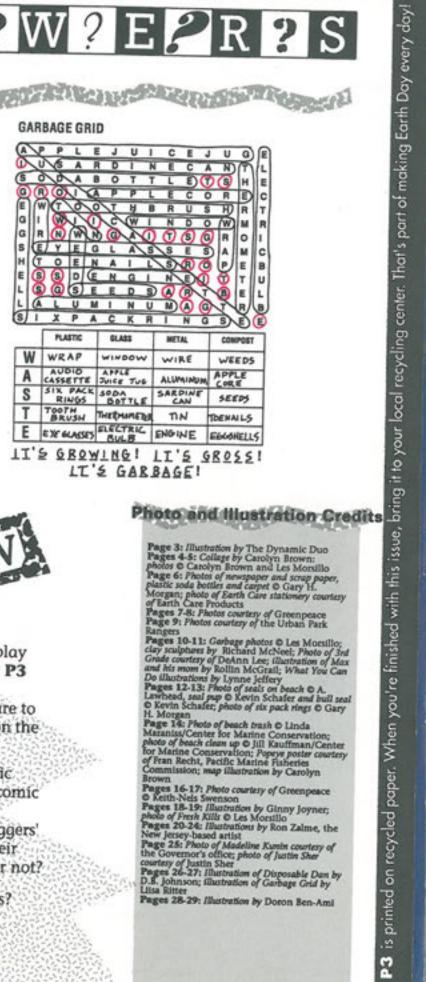
Don't forget to put your name, age and address on your letters!

A?N?S?W?E?R?S

THINK O-BAMA (Pages 26 and 27) DISPOSABLE DAN goes to the supermarket



GARBAGE GRID



	PLASTIC	GLASS	METAL	COMPOST
W	WRAP	WINDOW	WIRE	WEEDS
Α	CASSETTE	APPLE Juice Tue	ALUMINUM	APPLE
S	SIX PACK	BOTTLE	SARDINE	SEEDS
T	TOOTH BRUSH	Тигенинева	TIN	THEMAILS
E	EXE GLASSES	BULB	ENGINE	EGGONELLS

II'S GROWING! LI'S GROSS! LT'S GARBAGE!

- Earth Play 1990 Toys! They're fun to play with but how good are they for Planet 3? P3 Team members give some of today's toys environmental ratings from Eco-Nightmare to Ecorific! Where do your favorite toys fall on the Eco-Meter?
- Stop the Chop? Loggers from the Pacific Northwest did not like the Earth Rangers comic in issue #1. So your Earth-based reporter traveled to Washington state to get the loggers' side of the old growth story. We'll tell it their way then ask you to vote: Stop the chop or not?
- P34me,C? How's the kiteflying on Venus? Find out here!

And more! Only in P3!

