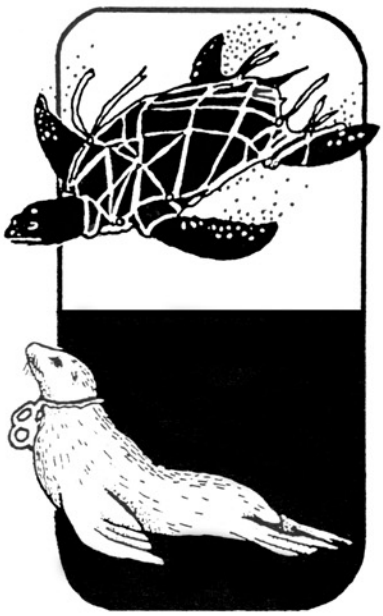
NOAA Technical Memorandum NMFS F/AKR-9

Title: Marine Debris Education Program Supplement

Editors: Alan R. Bunn and James M. Coe



Marine Debris

Coloring Book

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service

MARINE DEBRIS: MORE THAN A LITTER PROBLEM

Modern Society has developed a number of uses for plastic due to its lightweight, strength, durability, versatility, and low cost. Products range from bags, bottles, cups, six-pack yokes, and balloons to strapping bands, plastic sheeting, resin pellets, packing materials and fishing gear. Growing evidence indicates that when dumped, lost or abandoned in the marine or aquatic environments, plastic debris not only looks bad, but can harm the environment.

Environmental impacts arise from entanglement of marine animals in plastic debris and from ingestion of plastic by aquatic organisms. Marine debris poses a threat to humans when divers, ships, or boats become fouled in debris. The world's beaches and waterfronts are becoming littered with plastic garbage requiring costly cleanup procedures.

As of January 1989, the Marine Plastic Pollution Research and Control Act makes it against the law to dump plastics at sea and in all U.S. navigable waters.

This educational publication is one of several public awareness efforts being conducted by the National Oceanic and Atmospheric Administration's (NOAA) Marine Entanglement Research Program on the issue of marine debris.

A commitment to stop the dumping of plastics and other harmful refuse into the aquatic environment is needed from fishermen, boaters, sailors, merchant seafarers, and beachgoers alike. "If we are not part of the solution, then we are part of the problem!"

The editors have drawn upon a variety of materials from other federal and state agencies, commercial and recreational organizations, and private individuals to alert youth and their families to the hazards persistent marine debris pose to our natural resources and marine life.

We would like to acknowledge the combined cooperative efforts of a number of these individuals and organizations which have contributed to this Marine Debris Education Program Supplement. Failure to recognize any specific contributor to this effort is merely an oversight.

Center for Marine Conservation
(Formerly Center for Environmental Education)
Defenders of Wildlife
Department of Interior, U.S. Fish and Wildlife Service
Cheri Ren Gillian
Herb Goblirsch
Ken Hanson
Nancy Munro
Bill Murray
Natural Resources Consultants
NOAA/NMFS/NWAFC Graphics Dept.

Oregon Department of Fish and Wildlife
Port of Newport
Project Wild
Saltwater Productions
Sea Grant Programs (too numerous to mention)
Seattle Aquarium
Fran Recht
Stop Oregon Litter and Vandalism (SOLV)
Anthony Taber
Take Pride in America
Texas General Land Office
U.S. Army Corps of Engineers
Washington Department of Ecology
Washington Department of Natural Resources

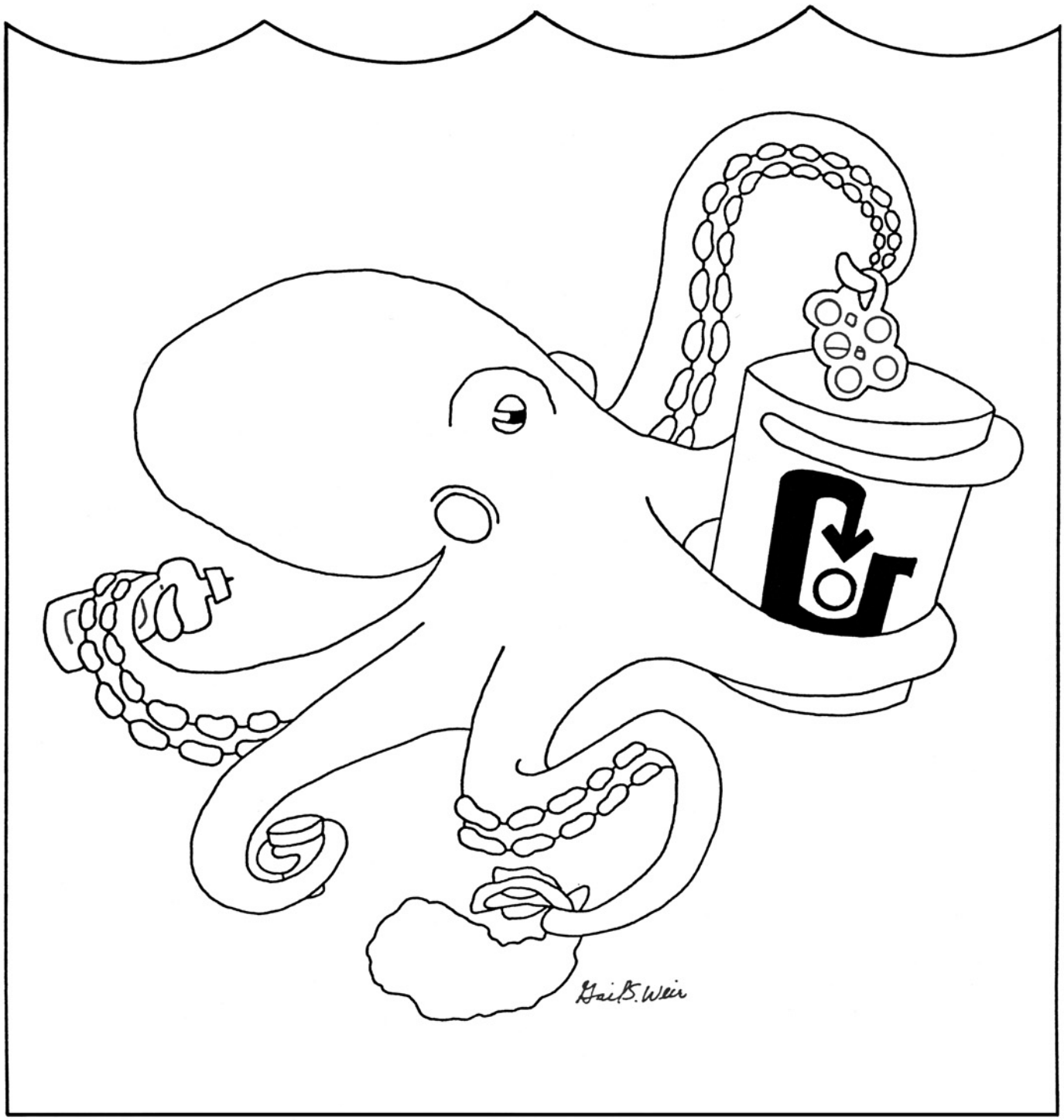
The contents of this publication may be duplicated for non-profit educational purposes.

DON'T TEACH YOUR TRASH TO SWIM!

COLORING BOOK

Marine Refuse Disposal Project — Logo: Herb Goblirsch Caption: Bill Murray

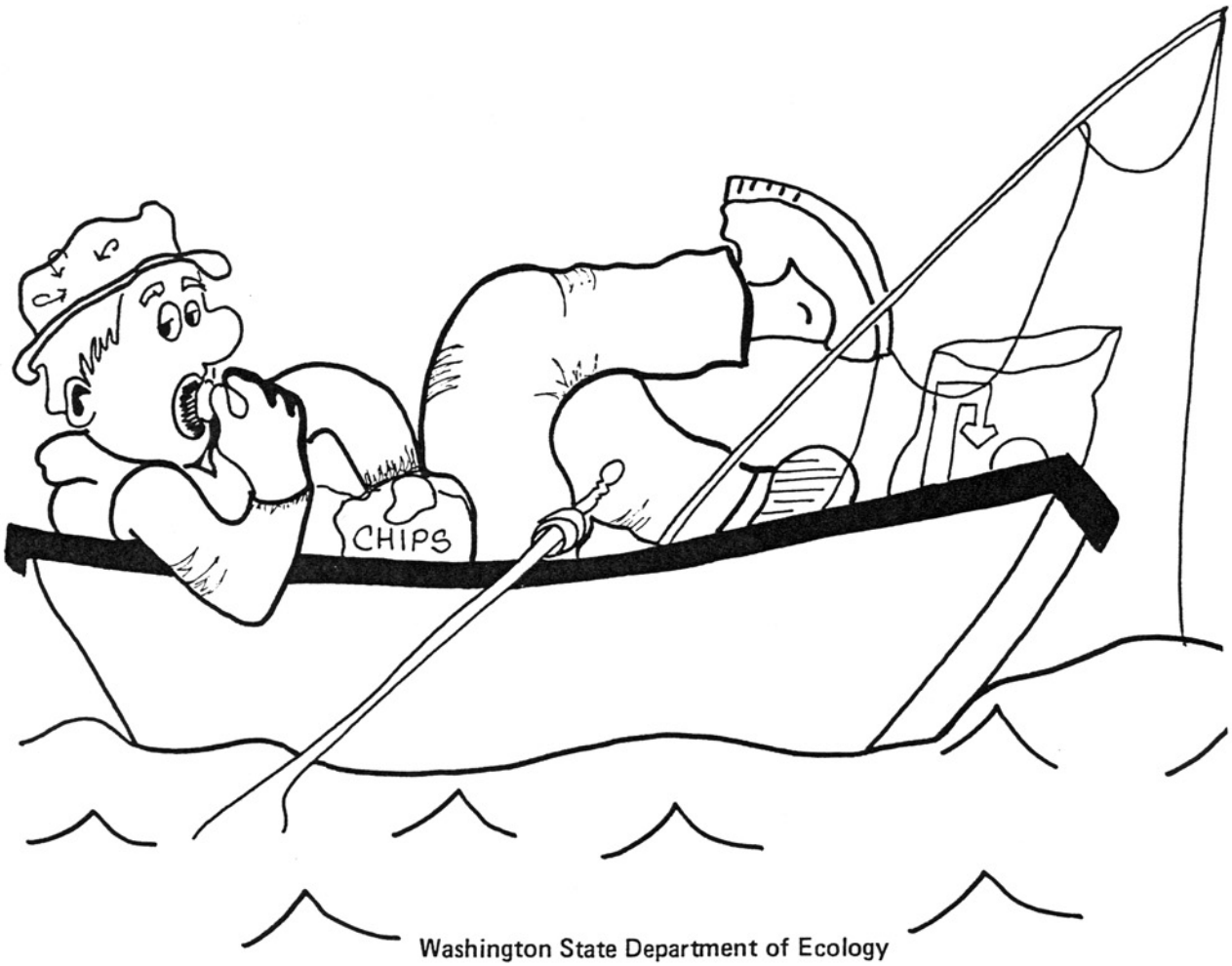
MARINE DEBRIS



GET A GRIP ON IT

Made available by the Public Involvement and Education Project, financed by proceeds from the Washington State Centennial Clean Water Fund and administered by the Puget Sound Water Quality Authority. Single copies of this poster are free; bulk copy rates are available upon request. Contact: Washington Sea Grant, Marine Advisory Services, 3716 Brooklyn Ave. N.E. Seattle, WA 98105.

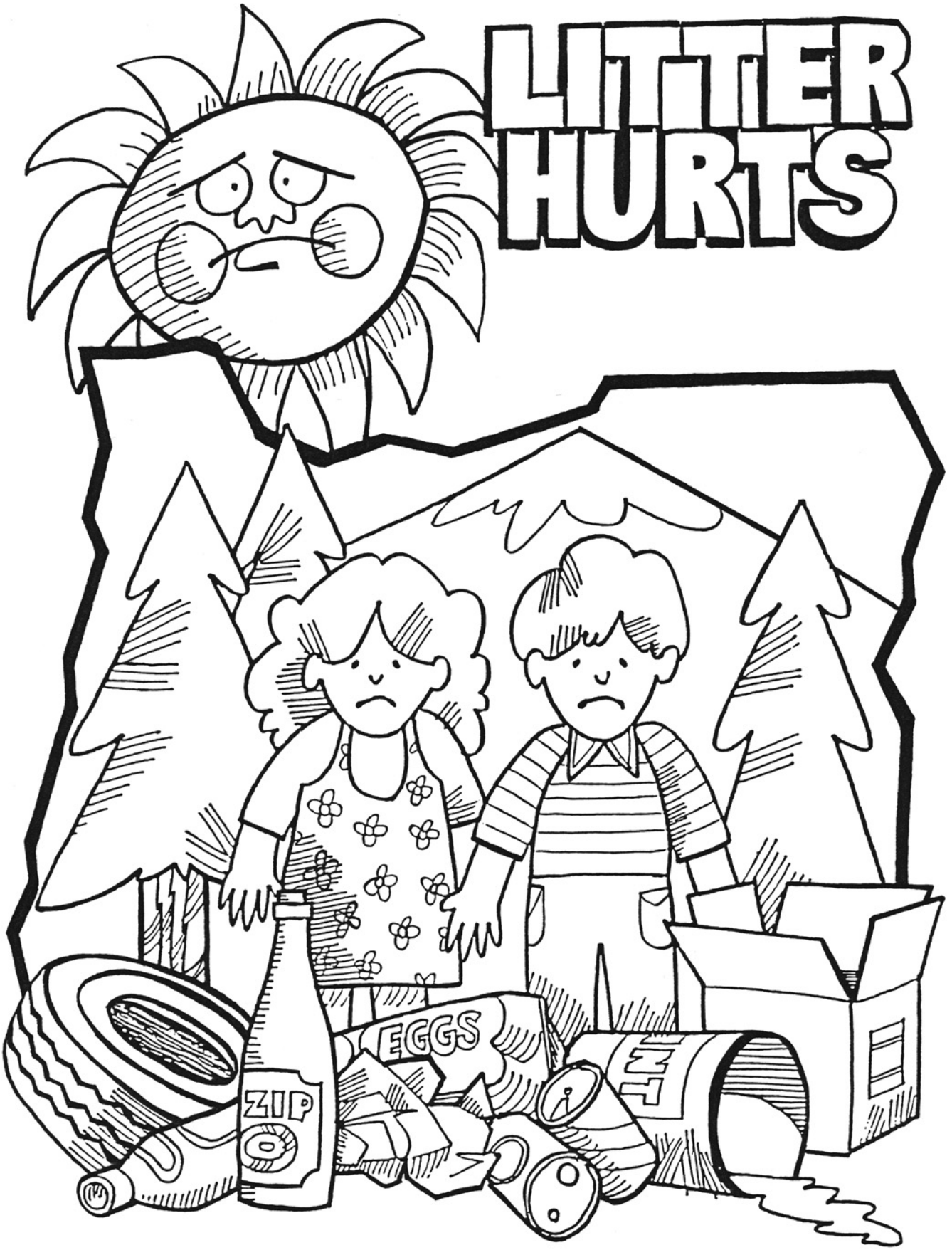
DON'T SPLASH YOUR TRASH!



Washington State Department of Ecology

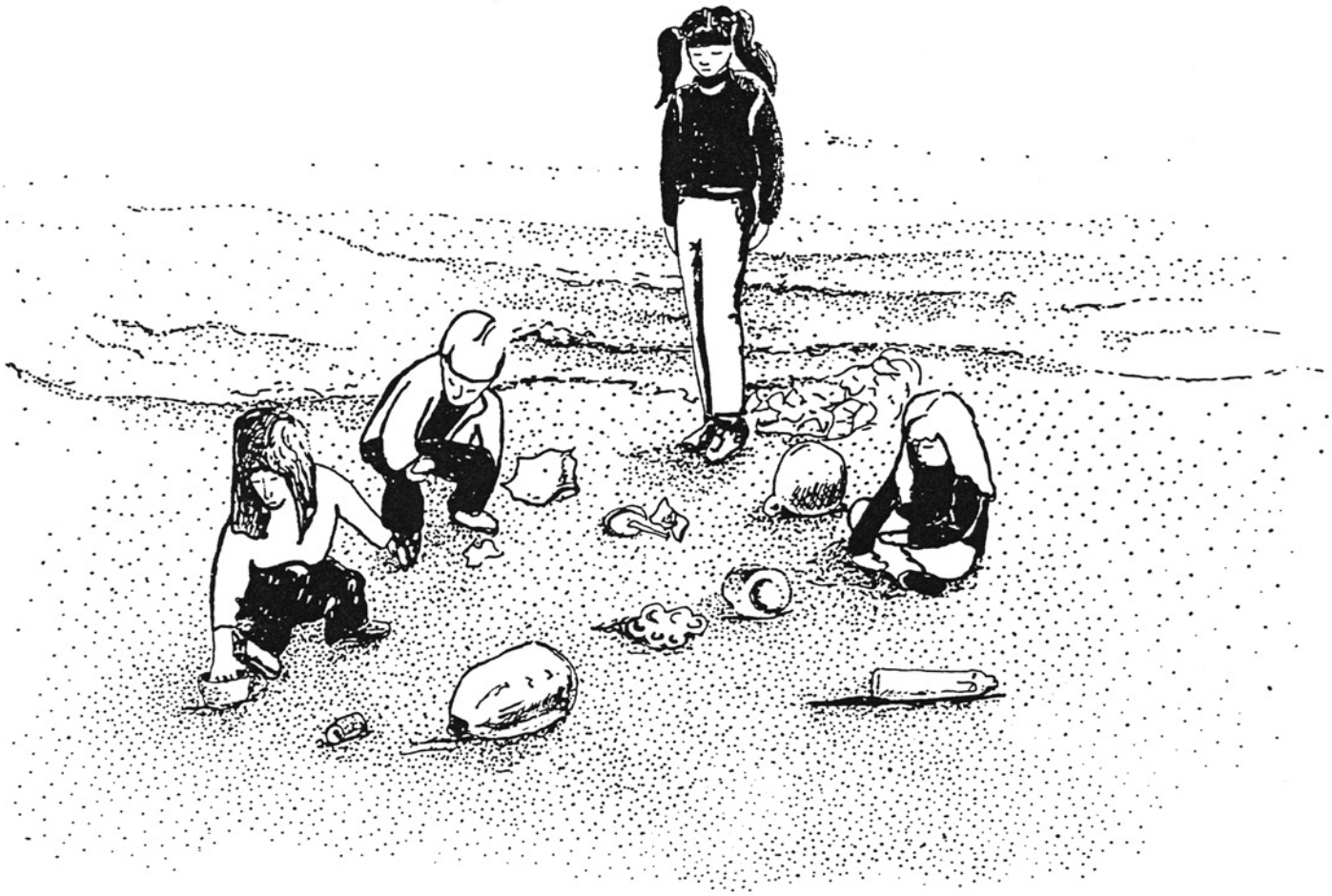
AHOY THERE MATEY!

HAND OVER YOUR TRASH!



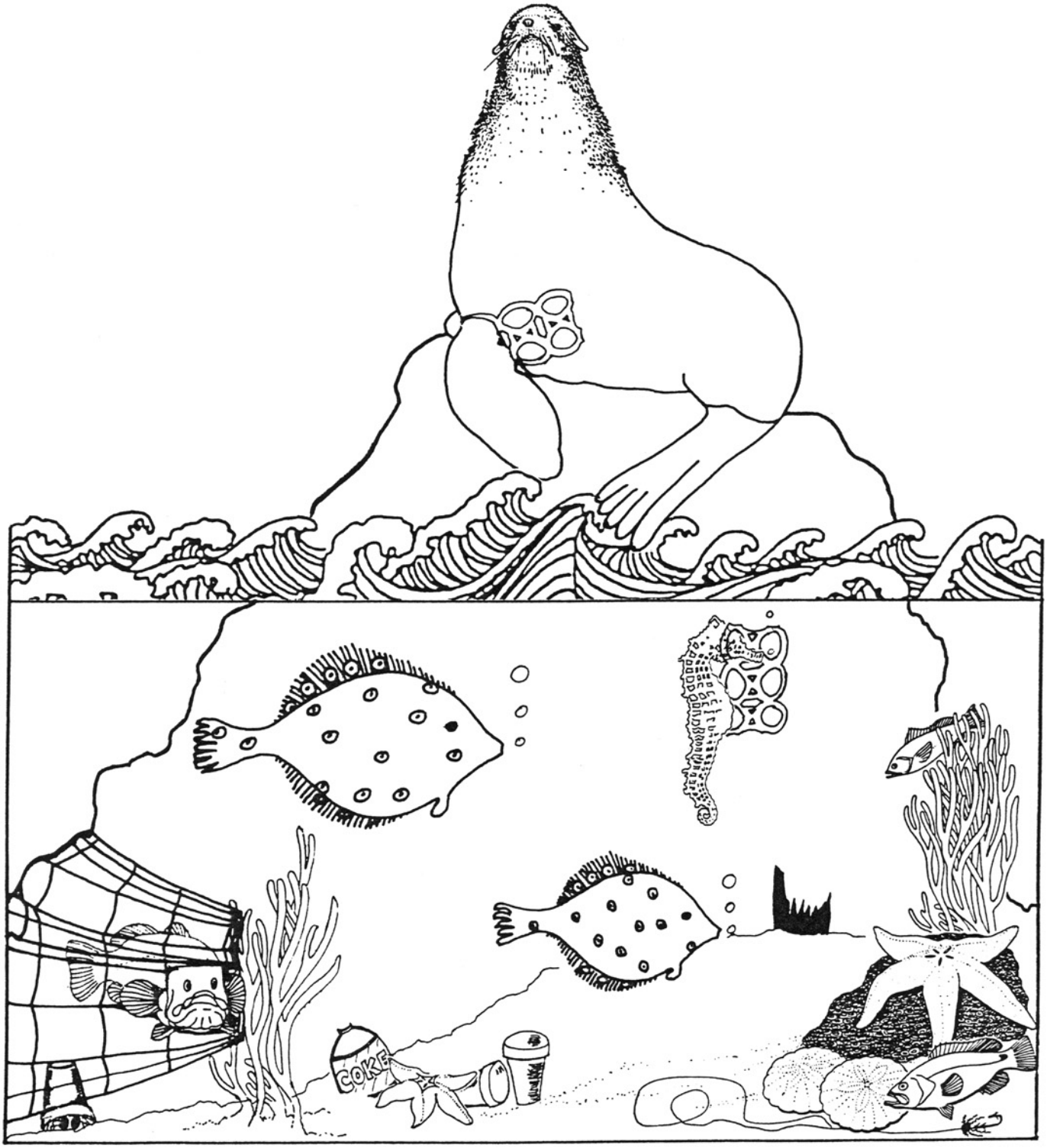
COLOR AMERICA CLEAN

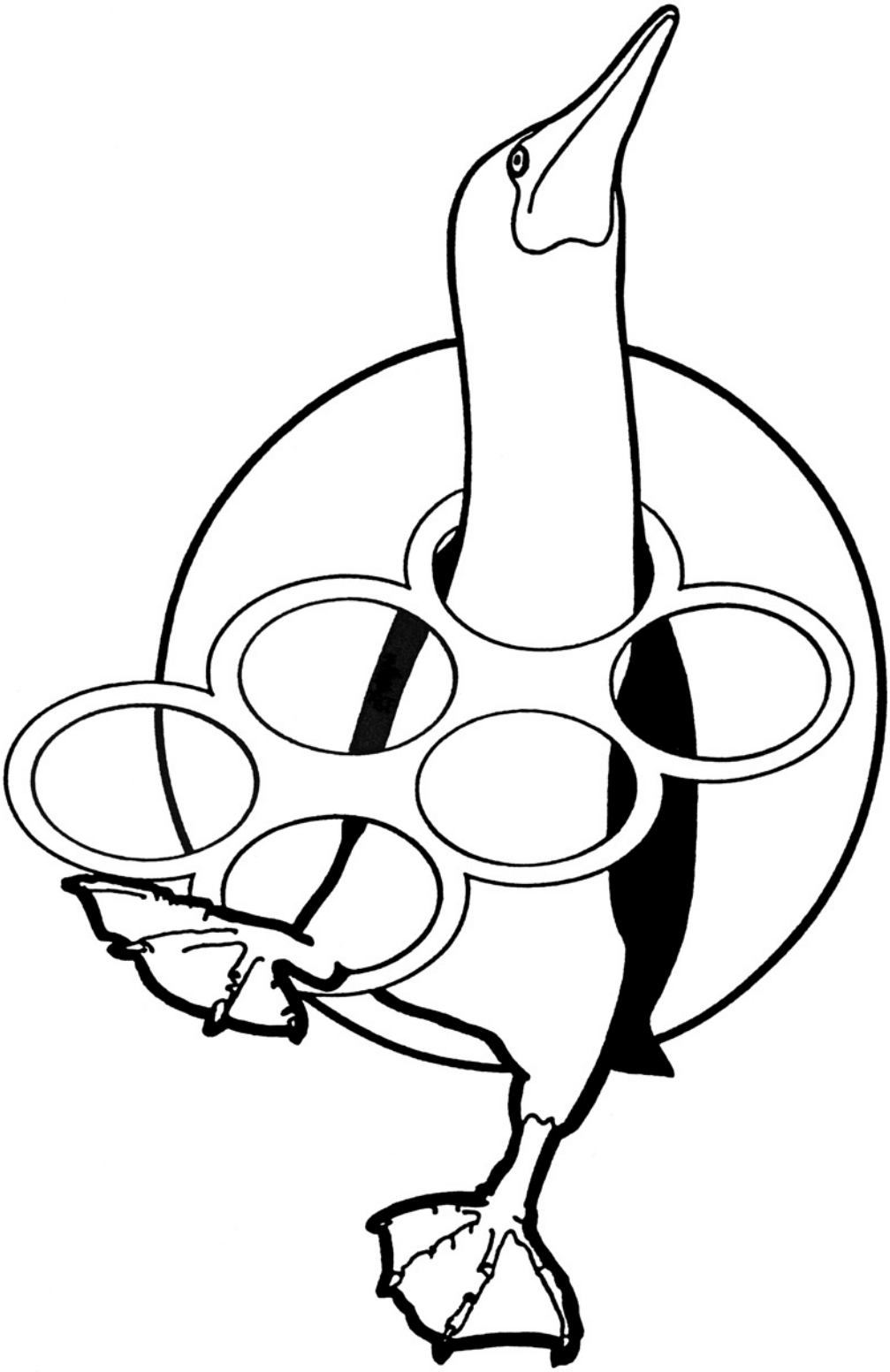
PLASTICS CAN LAST FOR HUNDREDS OF YEARS IN LAKES, RIVERS AND MARINE WATERS.



A CARELESS MOMENT LASTS GENERATIONS.

LITTER IN THE OCEAN CAUSES POLLUTION WHICH HURTS THE SEALIFE

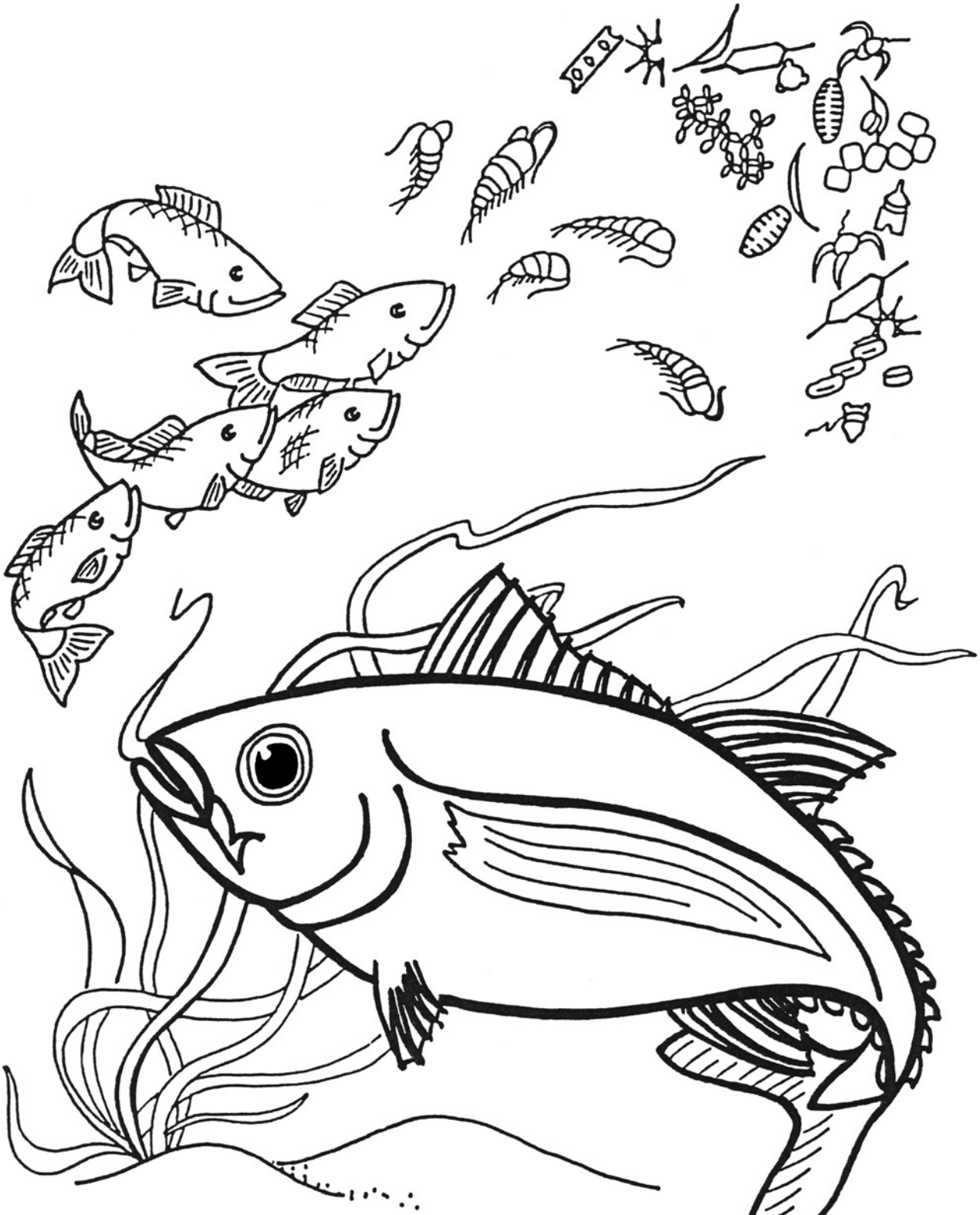




PLASTIC KILLS WILDLIFE

© 1987 DEFENDERS OF WILDLIFE

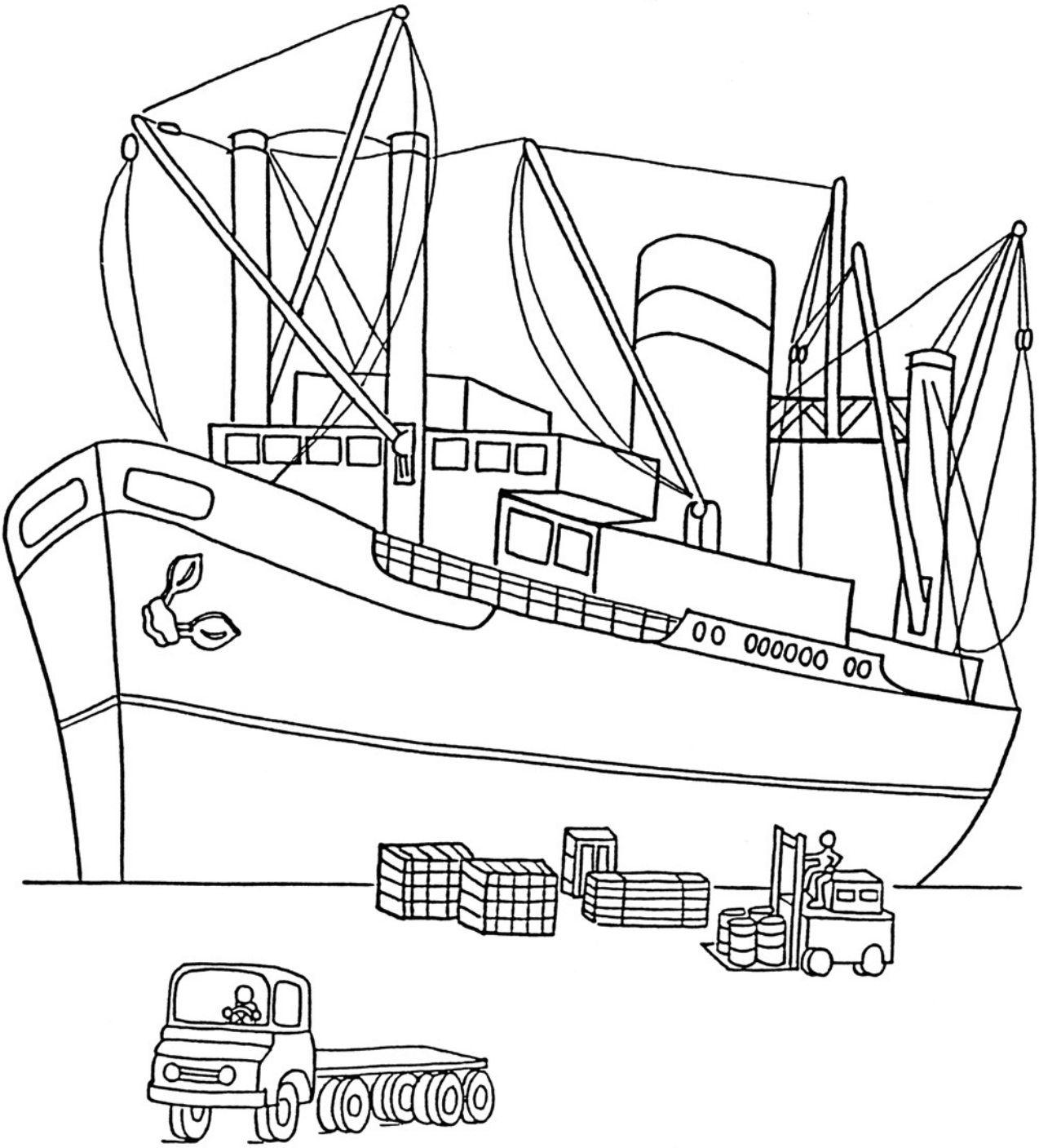
ENGRAM DESIGN



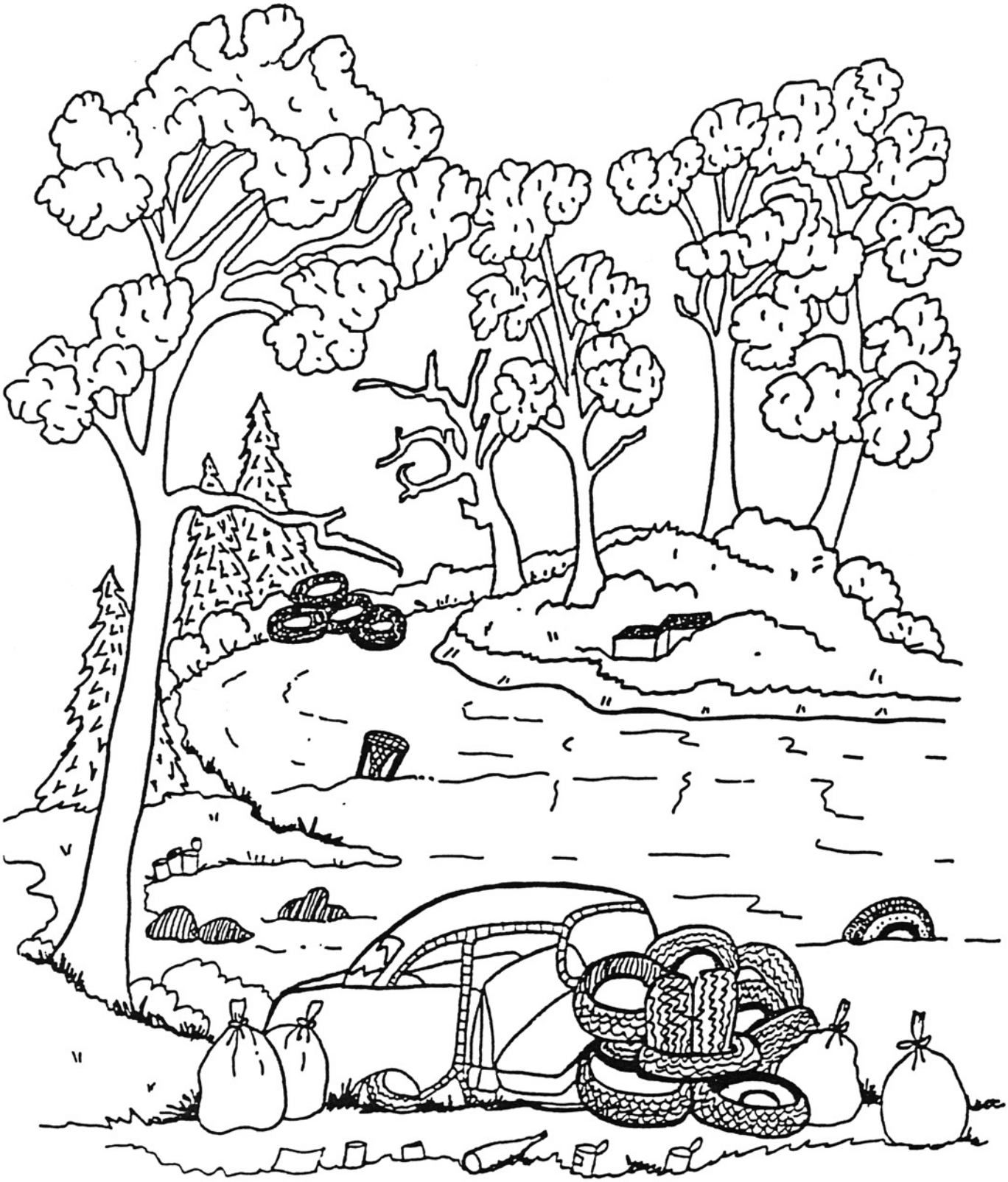
FISH EAT PLASTIC PIECES

WITH THEIR NATURAL FOOD.

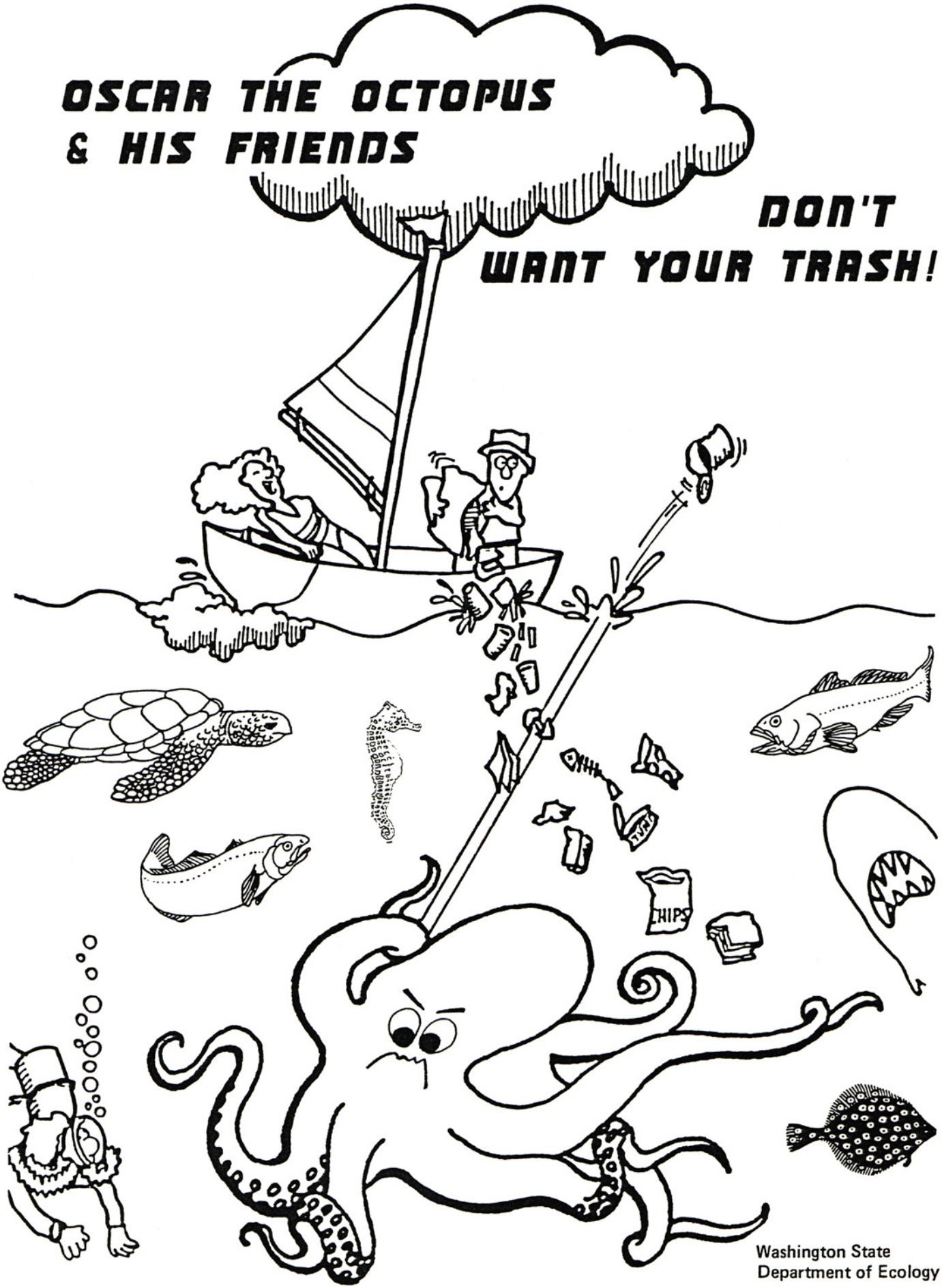
PLASTIC PACKING MATERIALS FROM SHIPPING, WASH UP ON OUR BEACHES.



ILLEGALLY DUMPED TRASH, POLLUTES THE ENVIRONMENT.



OSCAR THE OCTOPUS & HIS FRIENDS DON'T WANT YOUR TRASH!



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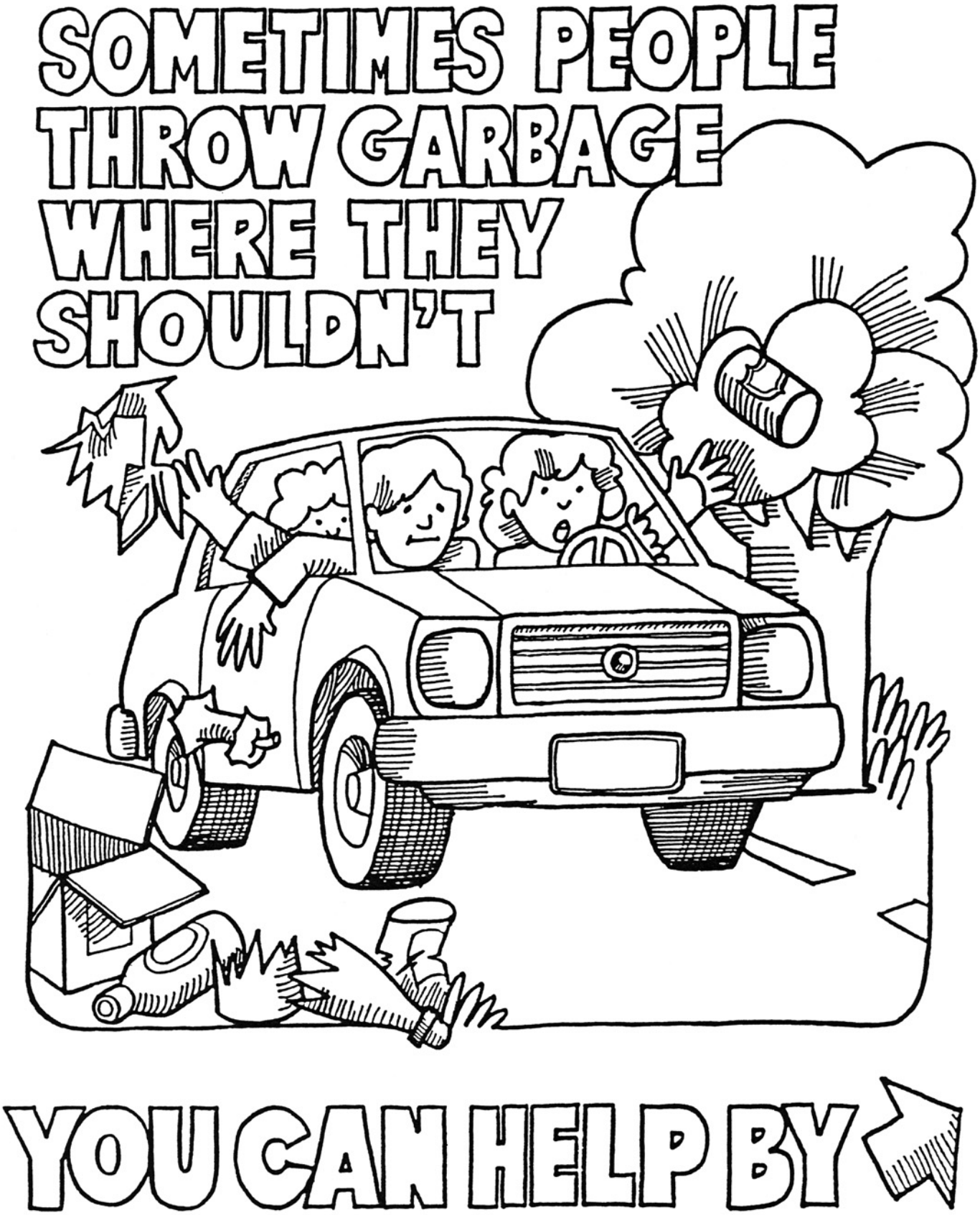
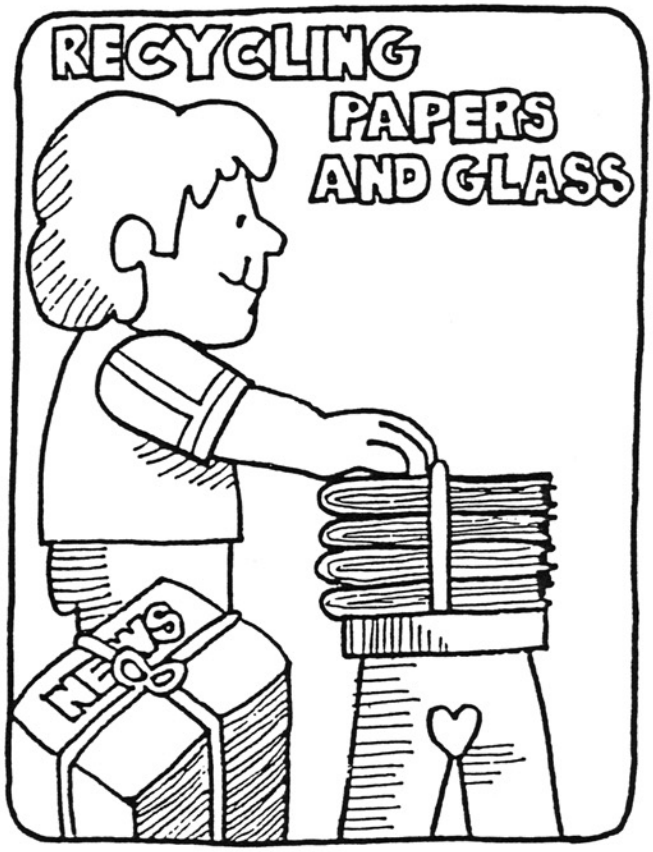

SOMETIMES PEOPLE THROW GARBAGE WHERE THEY SHOULDN'T
YOU CAN HELP BY

USING LITTERBAGS
LITTER BAG

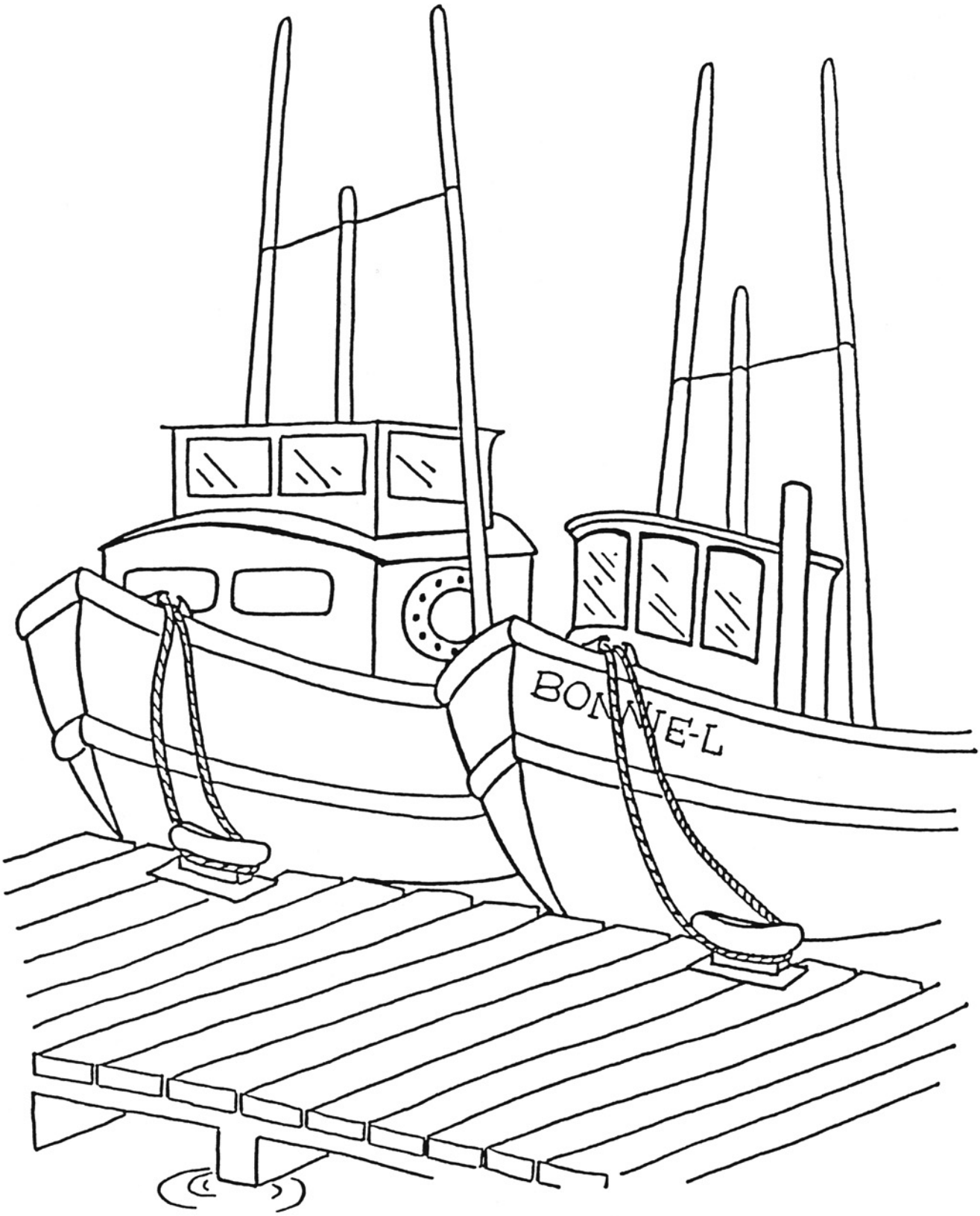
THROWING TRASH IN CANS

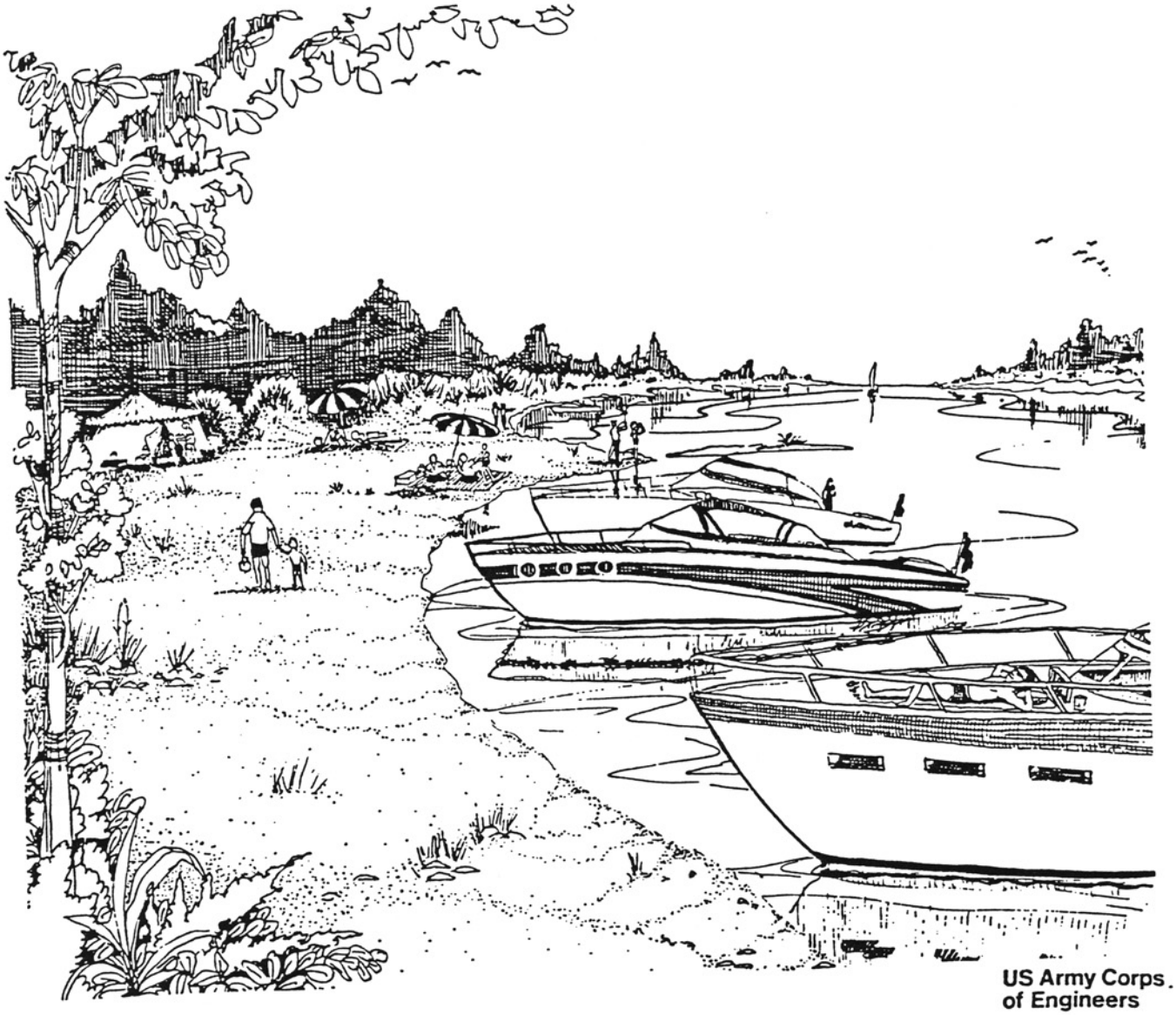
RETURNING BOTTLES AND CANS
STORE REFUND 5¢


RECYCLING PAPERS AND GLASS
NEWS

PICK-UP, RECYCLE

COMMERCIAL BOATS HELP BY KEEPING TRASH ON BOARD





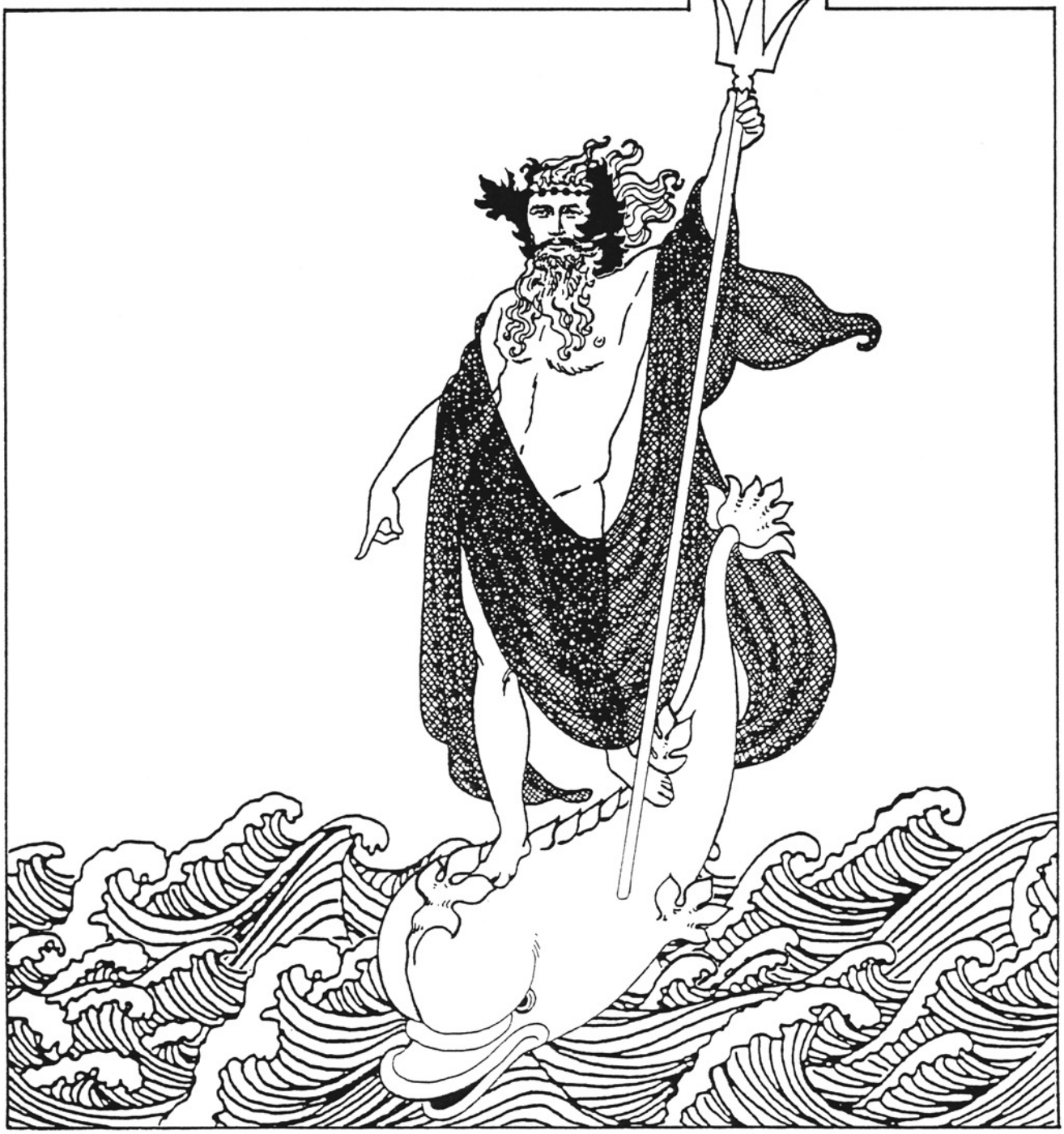
US Army Corps
of Engineers
St. Paul District

DON'T BURY IT ON THE SANDBAR

IF YOU TAKE IT OUT -

BRING IT BACK!

KING NEPTUNE SAYS:



PROTECT THE MARINE ENVIRONMENT BY PROPERLY DISPOSING OF GARBAGE ASHORE!

KEEP THE GREAT LAKES GREAT

TAKE PRIDE IN AMERICA

DO YOUR PART!

Be a Volunteer or Plan a Project to Help Take Care of Public Lands or Parks.

PACK IT OUT!

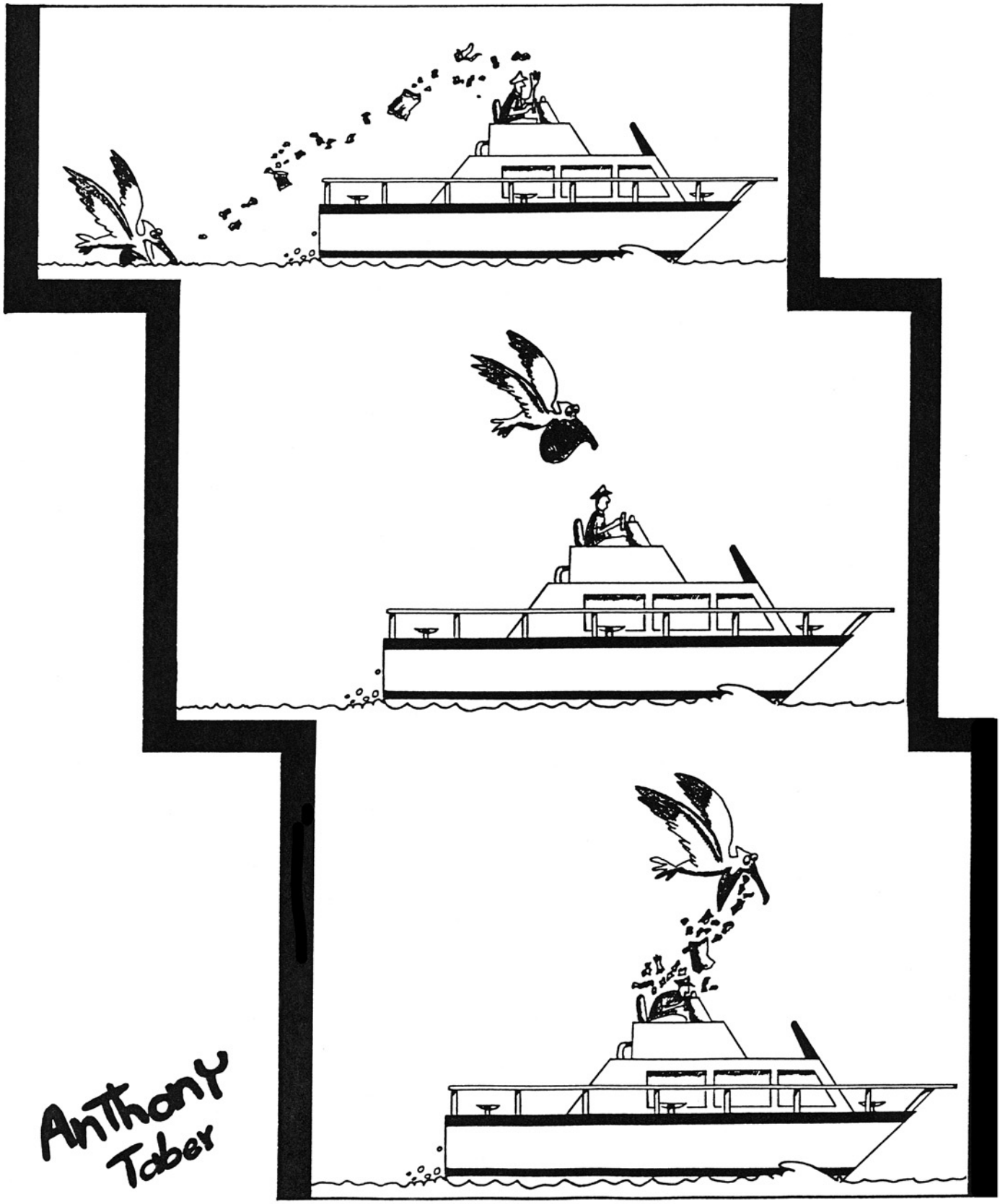
DON'T SPLASH YOUR TRASH!

Washington State
Department of Ecology

Each of the words listed below appears in the puzzle. The words may be written horizontally, diagonally, vertically, or even backwards. Find each word and draw a circle around it.

D	O	P	R	O	P	E	R	L	Y	C	A	N
N	B	I	R	D	S	W	E	E	W	O	T	D
O	F	A	N	D	I	L	M	L	D	E	H	I
N	P	L	S	E	G	G	O	T	H	P	E	S
B	L	C	A	N	T	O	N	R	O	L	R	P
I	A	N	A	N	D	E	O	U	C	A	N	O
O	T	T	H	E	I	R	F	T	W	S	W	S
D	N	P	L	A	S	T	I	C	D	T	I	E
E	G	T	N	B	T	M	L	N	N	I	L	Y
G	E	U	P	O	R	P	A	E	F	C	D	O
R	A	R	F	A	Y	L	M	H	E	B	L	U
A	R	T	H	T	R	N	E	T	S	A	I	R
D	T	L	H	E	O	T	N	E	A	G	F	E
E	S	E	S	R	F	R	T	S	E	S	E	F
A	E	S	I	S	O	A	L	U	L	R	R	U
B	G	V	D	N	A	S	I	F	P	T	N	S
L	N	I	N	E	M	H	N	E	W	E	E	E
E	I	W	F	I	S	H	E	R	M	E	N	T

Plastic, styrofoam, monofilament line, nets, and other non-biodegradeable refuse can entangle wildlife and harms their environment. Turtles and birds can ingest the plastic bags, gear, and trash. Fishermen and boaters please dispose of your refuse properly. YOU CAN.



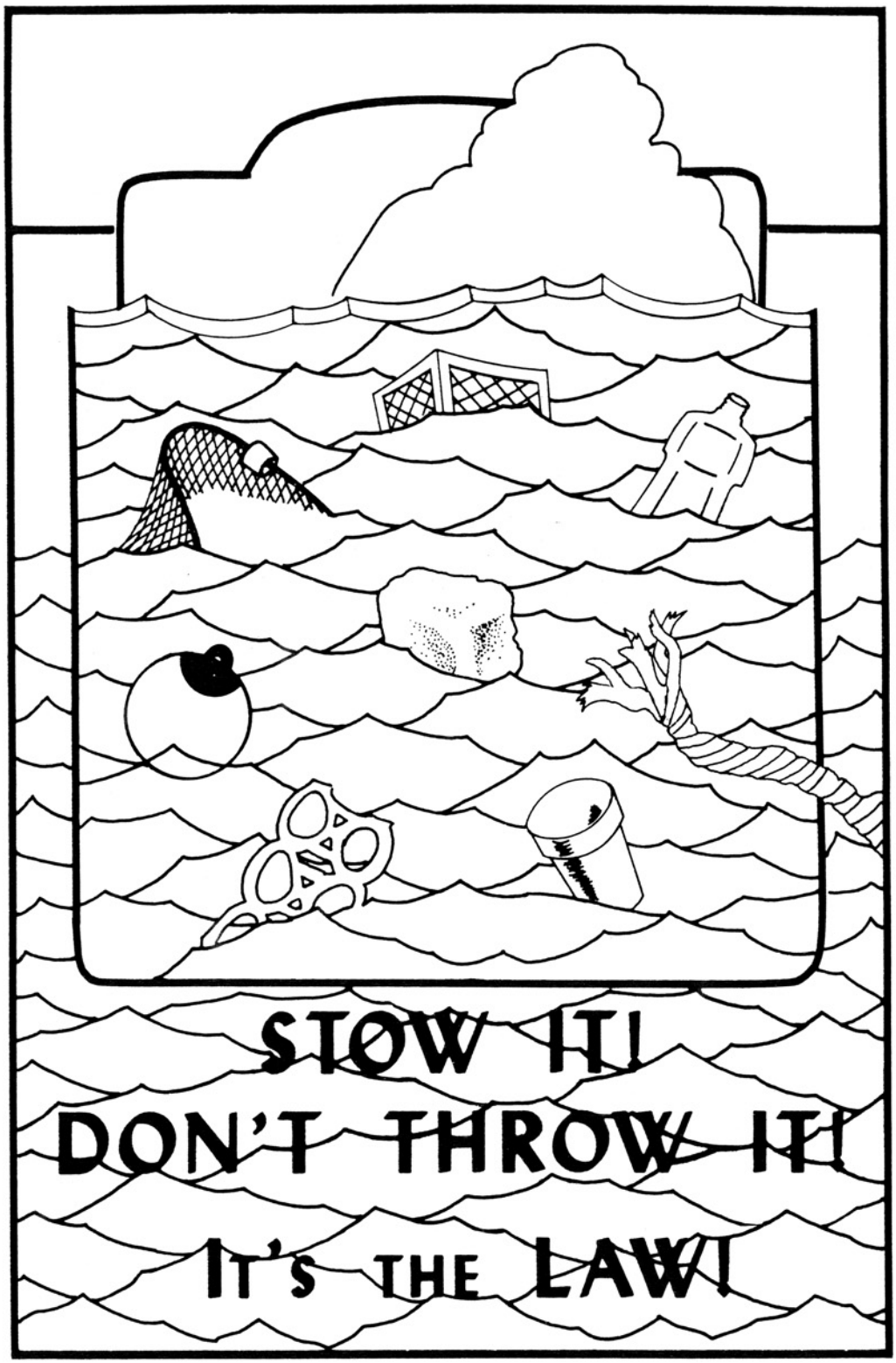
Anthony Taber

YOU CAN HELP!

- Make it boat policy that no trash is discarded, washed or blown overboard.
- Minimize the amount of non-degradable products on board. Provision your vessel using bulk/refillable containers.
- Stow trash for disposal in port. Encourage your port or marina to provide convenient refuse disposal facilities.
- Where possible retrieve trash encountered in the water.
- Share your concern with friends, fellow mariners and family.
- Participate in beach clean-ups, and leave the beach clean after visits.

DON'T TEACH YOUR TRASH TO SWIM!

The National Marine Fisheries Service Encourages All Boaters And Beach-Goers To Protect The Marine Environment

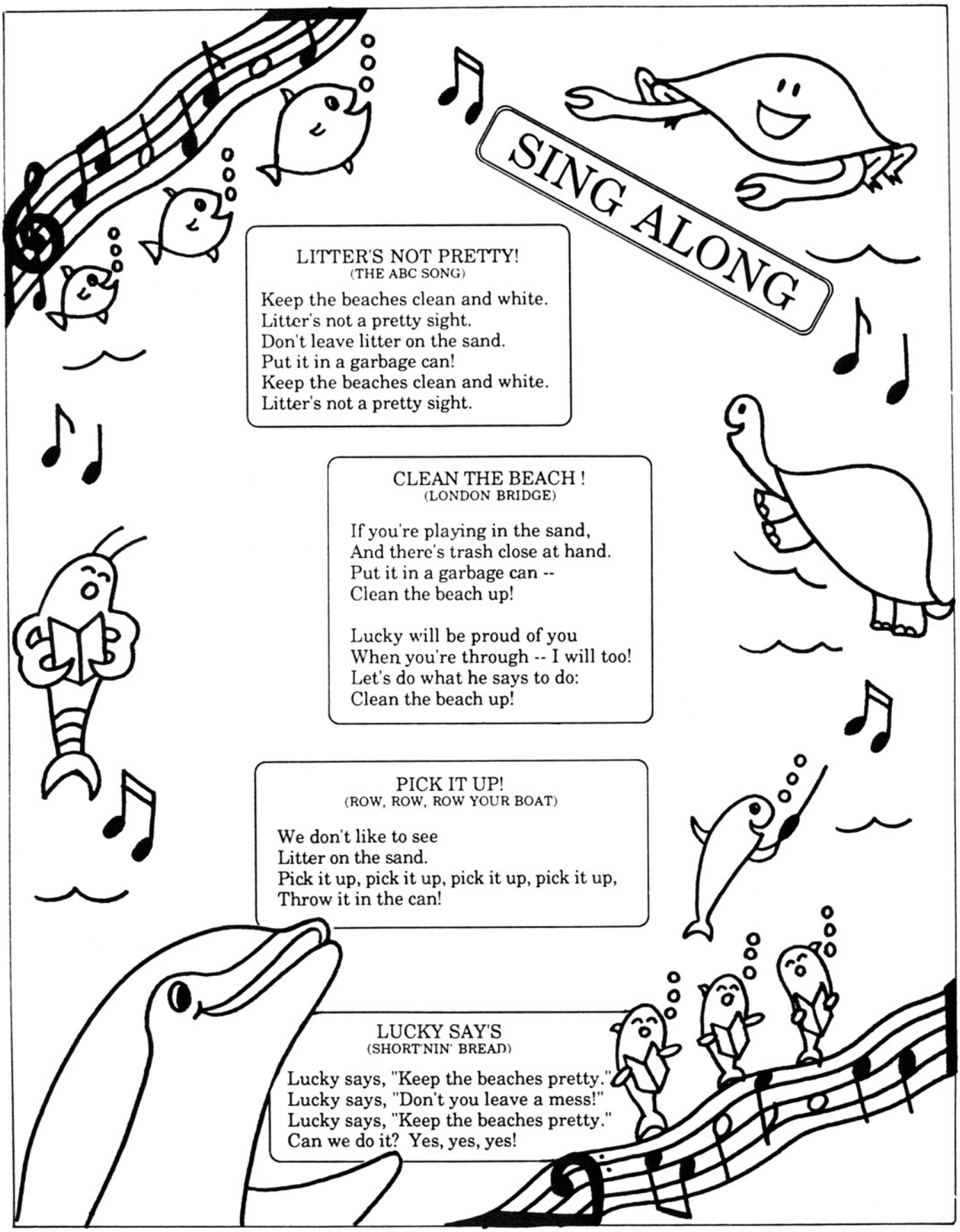


Produced by Nancy Munro, Saltwater Productions Art Direction: Cheri Ren Gillian Design: Ken Hanson

BAD GUYS **ABUSE PUBLIC LANDS AND WATERS.**

GOOD GUYS **SAVE IT.**

Take Pride in America
P.O. Box 1339
Jessup, MD. 20794



LITTER'S NOT PRETTY!
(THE ABC SONG)

Keep the beaches clean and white.
Litter's not a pretty sight.
Don't leave litter on the sand.
Put it in a garbage can!
Keep the beaches clean and white.
Litter's not a pretty sight.

CLEAN THE BEACH !
(LONDON BRIDGE)

If you're playing in the sand,
And there's trash close at hand.
Put it in a garbage can --
Clean the beach up!

Lucky will be proud of you
When you're through -- I will too!
Let's do what he says to do:
Clean the beach up!

PICK IT UP!
(ROW, ROW, ROW YOUR BOAT)

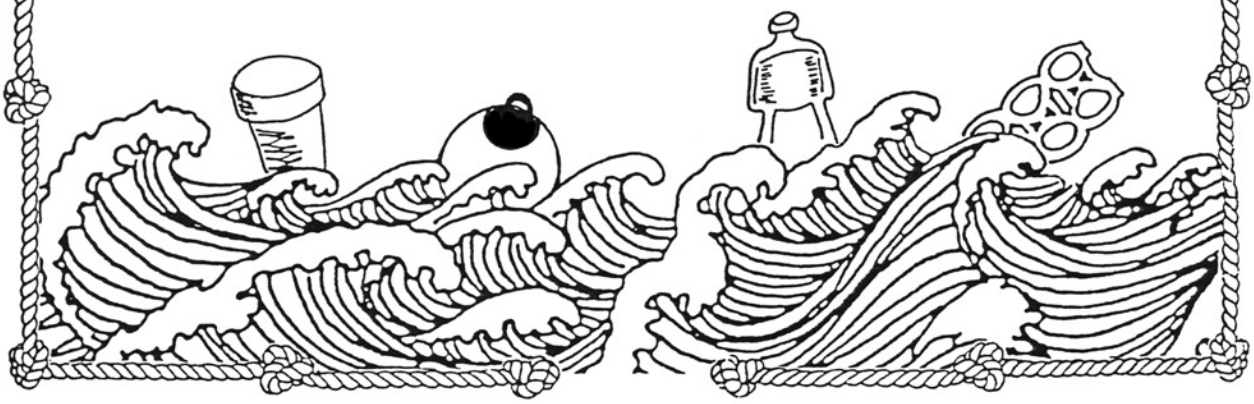
We don't like to see
Litter on the sand.
Pick it up, pick it up, pick it up, pick it up,
Throw it in the can!

LUCKY SAY'S
(SHORT'NIN' BREAD)

Lucky says, "Keep the beaches pretty."
Lucky says, "Don't you leave a mess!"
Lucky says, "Keep the beaches pretty."
Can we do it? Yes, yes, yes!

REMEMBER:

IF YOU ARE NOT
PART OF THE SOLUTION,
THEN
YOU ARE PART OF
THE PROBLEM.

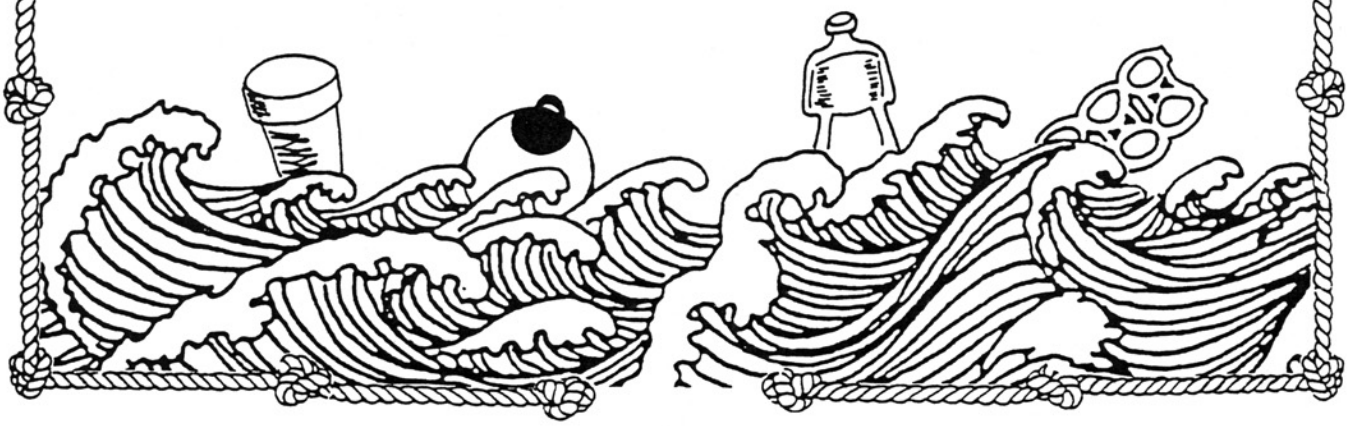


Don't mess with Texas beaches.
Tell everyone!

RESCUE IN PROGRESS

BY

NOAA'S

MARINE

ENTANGLEMENT PROGRAM