When Values Conflict

Essays on Environmental Analysis, Discourse, and Decision Published for the American Academy of Arts and Sciences a companion volume to When Values Conflict Feiverson, H.A., F.W. Sinden, R.H. Socolow eds. Boundaries of Analysis: An Inquiry Into the Tocks Island Dam Controversy

ſ

When Values Conflict

Essays on Environmental Analysis, Discourse, and Decision

Edited by: Laurence H. Tribe Corinne S. Schelling John Voss

Published for the American Academy of Arts and Sciences

Ballinger Publishing Company • Cambridge, Massachusetts A Subsidiary of Harper & Row, Publishers, Inc.



This book is printed on recycled paper.

"This book was prepared with the support of National Science Foundation Grant No. ESR 72-03540. However, any opinions, findings, conclusions or recommendations expressed herein are those of the authors and do not necessarily reflect the views of NSF."

Copyright © 1976 by the American Academy of Arts and Sciences. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic mechanical photocopy, recording or otherwise, without the prior written consent of the publisher.

International Standard Book Number: 0-88410-431-1

Library of Congress Catalog Card Number: 75-45448

Printed in the United States of America

When Values Conflict.Bibliography: p.Includes index.1. Environmental policy—United States—Addresses, essays, lectures.2. Social values—Addresses, essays, lectures.HC110.E5W5333.7T5-45448ISBN 0-88410-431-1

Contents

Acknowledgments	vii
Preface	ix
Chapter One	
Failures of Discourse: Obstacles to the	
Integration of Environmental Values	
into Natural Resource Policy	1
Robert H. Socolow	
Chapter Two	
The Tocks Island Dam Controversy	35
Irene Taviss Thomson	
Chapter Three	•
Ways Not to Think About	
Plastic Trees	61
Laurence H. Tribe	
Chapter Four	
The Rights of Nature	93
Charles Frankel	
Chapter Five	
Environmental Decision Making:	
Analysis and Values	115
Harvey Brooks	
Chapter Six	
Policy Analysis as Heuristic Aid:	
The Design of Means, Ends, and Institutions	137
Henry S. Rowen	
Chapter Seven	
An Afterword: Humane Values and	
Environmental Decisions	153
Robert Dorfman	



vi Contents

Index

About the Contributors

175 179 This book and the companion volume, Boundaries of Analysis: An Inquiry into the Tocks Island Dam Controversy, are the products of a several-year study which the American Academy of Arts and Sciences was able to carry out in part because of a grant from the National Science Foundation, under its Research Applied to National Needs (RANN) program. On behalf of the Academy, we want in particular to express our gratitude to Dr. Larry W. Tombaugh, Division of Advanced Environmental Research and Technology, NSF, whose broad experience in environmental problems, continuing interest in our project, and perceptive criticisms of our efforts as they developed were major factors in shaping this study.

We want also to express appreciation to the many people who participated at one stage or another in the series of meetings at which the ideas for the essays in this volume and the companion volume germinated and gradually took shape. Although we cannot mention all of them here, we must make an exception in the case of several who were particularly helpful to the editors and authors. Special acknowledgment is due to Bruce Ackerman, Raymond Bauer, Alvin Enthoven, Leo Marx, Guy Pauker, Wallace Stegner, Lynn White, Jr., and Richard Zeckhauser, each of whom in his own way made a unique contribution to the contents of this and the companion volume. And, as all of those involved in this study know, it was Murray Gell-Mann of the California Institute of Technology who started us on our way by asking some very difficult questions. Finally, had it not been for the generosity of the Committees on Research Funds of the American Academy we could not have accepted the challenge that Professor Gell-Mann's questions posed and undertaken the essential exploratory stages of this project to the point where a coherent study plan emerged.

The Editors

vii