

SPECIAL SAVE — THE — EARTH ISSUE P. L. Y. COLLECTION

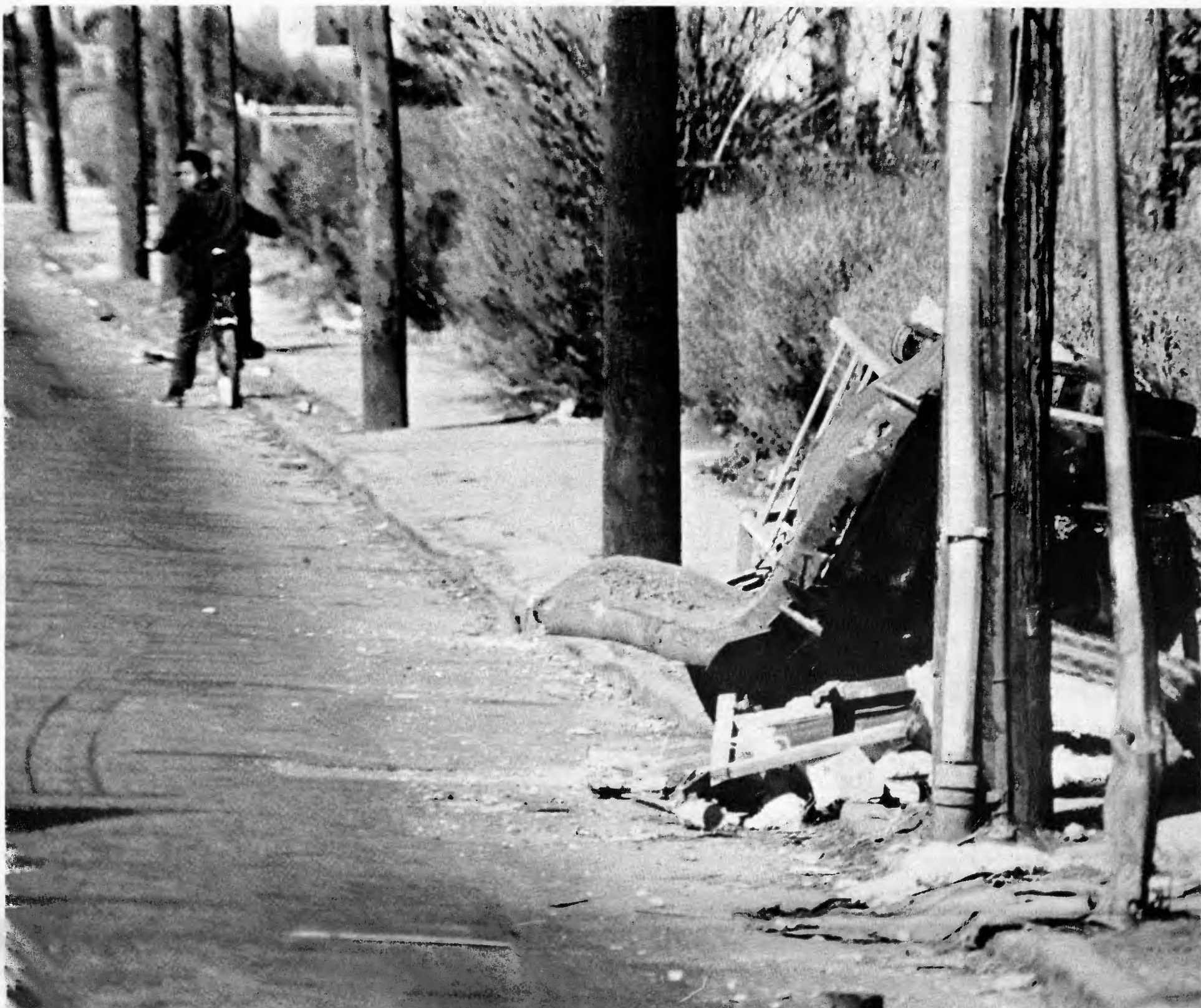
Reporter

Volume 46 — Special Edition

Rochester, New York 14623

April 22, 1970





"in order to insure ourselves of a livable future..."

We the students of the Rochester Institute of Technology in order to insure ourselves of a liveable future, hold these truths to be self-evident:

—That men are not jackrabbits, and should not be encouraged to breed like them. The world has enough people crawling over its surface right now, and no more are wanted. Fortunately in America we have not had to experience the final catastrophic effects of overpopulation: famine, starvation, poverty, despair and wholesale death. But we already know the first, subtle effects—the traffic jams in the cities, the crowded recreational sites in the country, and we have no desire to expand further and join the unhappy hordes in India, Brazil and China in their endless, mindless cycle of procreation and extinction.

—That men deserve clean air to breathe and should not be deprived of it for any reason, not even the almighty profit motive. It is not our wish that the population should choke so that a few thousand uncaring men should grow rich.

—That Americans have a right to clean surroundings. It is not right to have a way of life that is nothing more than the process of accumulating vast heaps of garbage that spoil the water, foul the landscape and endanger our common health.

—That each one of us has the right to a quiet environment. Medical science has warned us of the physical and mental ills that are the result of noise pollution in its myriad forms. We cannot think very highly of a technology that can land men on

the moon, but cannot reduce the cacaphony in cities and airports, and we simply cannot abide a supersonic transport that will boom the citizenry into mass psychosis.

—That the world is too small a place already, and a greater cooperation between all nations will be required if we are to avoid the ecological cataclysm looming ahead.

In order to implement these truths, we urge everyone to become acquainted with the problems now facing us in the field of environmental studies. Ecology has long been an obscure, ignored branch of science, and the time has finally come to learn about it, before it is too late. This is, quite possibly, the last time we will have to create a liveable environment. The ecological point of no return is rushing toward us with fantastic speed; the time for action is now. Attend the activities today, learn about the crisis that is upon us, and then get ready for the work ahead. It's the only way there'll be a Future for us to live in.

James E. Sutherland

JAMES E. SUTHERLAND
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Reporter
special

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Keynote Speakers

Dr. Roger A. Morse

Dr. Roger A. Morse, 1955 graduate of Cornell University, is current director of Dyce Laboratory of Honey Bee Studies, Department of Entomology and Limnology at Cornell.

The title of his lecture for Earth Day will be, "Clean People in a Dirty Environment."

After completing his graduate work at Cornell, Dr. Morse worked in Florida for two years with the State Regulatory Foundation of Plant and Animal Diseases.

Financed by the National Science Foundation, he has travelled to Asia, India, Thailand, and parts of Europe, studying the reproductive systems of honey bees.

At the University of Massachusetts, he assumed the role of Assistant Professor of Horticulture. Returning to New York, Dr. Morse, supplemented by state aid, launched studies on the effect of pesticides on bees in the state.

Dr. Morse joined the Cornell faculty in 1956 and is experimenting on factors controlling the social order of honey bees. He holds a B.S. and Ph.D. (entomology) from Cornell.



Roger A. Morse

Mr. L. E. Townsend

Mr. L. E. Townsend, 435 Seneca Park Avenue, Rochester, has been in federal service since 1963. A graduate of Michigan State University, he is a registered professional engineer.

After his separation from the army as a captain, Townsend worked for engineering firms in Illinois and Michigan for several years, including a four-year term with the Meissner Company in Chicago.

In 1964 the Federal government assigned him to the Lake Ontario Basin Office, Federal Water Pollution Control Administration; a Department of the Interior. He has worked there for 5 years, as director of the Lake Ontario Basin Office, coordinating water pollution studies and the duties as interpreted by the Federal government.

Mr. Townsend will discuss the "Federal Government's Involvement on the Problems of Water Pollution," at the environmental teach-in.

Mr. Townsend is a member of the American Water Works Association, the National Society of Professional Engineers, and the Water Pollution Control Federation.

He has three sons and one daughter.



L. E. Townsend

Mr. Gene A. DeMarie

Much has been said about water pollution: the discharges of mammoth industries into once clear streams, the garbage disposal stations near the banks of rivers, and the death of water life. Mr. Gene A. DeMarie, Pure Waters Consultant for Community and Public Relations, New York State Department of Health, will approach water pollution problems in a unique manner. In his lecture, entitled, "New York State Department of Health's Pure Waters Program," he will be concentrating on the vast progress and varied accomplishments made in the race for clean water to date.

Mr. DeMarie holds a B.A. in Political Science from the University of Massachusetts, where he completed graduate work and minored in radio and television production and broadcasting.

Working under the Blue Cross division of the Medicare Administration, he became a state consultant in Dallas, Texas. During active duty in the Air Force, Mr. DeMarie travelled to Hawaii and became an adult educator for evening courses at Honolulu Business College. While there he assumed membership in the Hawaiian Adult Education Association. Currently, he is a member of the Advisory Council for Environmental Technology Curriculum at Monroe Community College.

Mr. DeMarie lives at 11 Saxony Road, Knickerbocker Hill, in Pittsford. He has a wife and four children ages 10 to 15.



Gene A. DeMarie

Mr. G. Richard Sutherland

One of the most pressing problems is the increasing pollution of fresh water areas in America. On Earth Day, G. Richard Sutherland, Director of the Pure Waters Division of The County of Monroe will speak on the local aspects of water pollution.

In his lecture on "Pollution Problems of the Monroe County Area," Sutherland will be drawing upon his long experience in water treatment. He graduated from the University of Rochester with a Bachelor's Degree in Engineering in 1949; a year later he received his Master's in Sanitary Engineering.

For the next nineteen years, Sutherland was employed by the Public Health and Engineering Divisions of three New York State counties, culminating in his directorship of the Pure Waters Division late last year. Currently, he is a member of the Professional Engineers Society, The American Public Health Society and the N.Y.S. Water Pollution Commission. In addition, Sutherland holds an Engineer's license and a grade 1A Sewage Treatment license denoting the highest proficiency in the field of pollution control.

Mr. George Abraham

George (Doc) Abraham is a self-syndicated columnist for more than 80 daily and weekly newspapers. His widely read column, "The Green Thumb," broke a fan mail record in 1962 by pulling in more than 100,000 letters from troubled gardeners. Mr. Abraham prepares his column between working in his Naples, N.Y., greenhouse and writing for various newspapers and garden clubs.

A veteran of World War II, he returned from overseas duty to begin writing on horticultural subjects. His "Green Thumb Garden Handbook," was published by Prentice-Hall in 1962, and in the same year he was named the number one garden writer in America, by a panel of garden editors in Chicago.

His background in horticulture is expected to be a prime asset in his RIT Earth Day lecture on the ecology of plants and the effect that man is having upon the green world. Abraham's years of experience with plant and soil types in all conditions throughout the country give him a wide working knowledge of plant ecology that can't be matched in the classroom. In a recent article, Abraham said: "Plants are like people; treat them right and they'll bloom."



Mr. & Mrs. George Abraham

Schedule of Events (day)

Ingle Memorial Auditorium, College Union

- 9:00-9:30 Introductions—Alan J. Ritsko, President, Student Association
Welcome—Dr. Paul A. Miller, President, Rochester Institute of Technology
- 9:30-10:15 L. E. Townsend: "Federal Government's Involvement in the Problems of Water Pollution"
- 10:15-11:00 G. Richard Sutherland: "Pollution Problems of the Monroe County Area"
- 11:00-Noon Dr. and Mrs. George Abraham: "Effects of Pollution Agents on Man and Nature"
- Noon-1:00 Lunch Break (Motion pictures on air and water pollution in the United States.)
- 1:00-2:00 Gene A. DeMarie: "New York State Department of Health's Pure Waters Program"

Environmental Workshops (please note locations)

Dr. Paul Bernstein, Dean, College of General Studies, R.I.T. "Environment and Public Policy"
2:15-3:00; 3:15-4:00. 01-3287

William DeRitter, Assistant Professor, College of General Studies, "Pollution on the Homefront:
R.I.T.'s Environment" 2:15-3:00; 3:15-4:00. 06-1251

Edwin Hennick, Assistant Professor, College of General Studies, "Problems of Sharing in Our
Environment" 2:15-3:00. 01-4287

William D. McFadden, Assistant Director of Engineering Division, Eastman Kodak Co., Kodak
Park, "Pollution Abatement at Eastman Kodak Company" 2:15-3:00; 3:15-4:00. 09-1030

Dr. Frances H.M. Hamblin, Professor, College of General Studies, R.I.T., "Environment Priorities &
Responsibilities" 2:15-3:00; 3:15-4:00. 01-4263

Dr. Edward T. Kirkpatrick, Dean, College of Applied Science, R.I.T., "Air Pollution" 2:15-3:00.
01-3355

Dr. Caroline Snyder, Assistant Professor, College of General Studies, R.I.T., "Humanistic Solutions to
the Environment Crisis" 2:15-3:00; 3:15-4:00. 01-4227

David L. Cummings, Chief Chemist, and Donald MacGregor, Director of Engineering, Tri Aid Sciences
Incorporated, "Techniques and Materials for Determining Pollution Levels and Methods of Correcting
pollution Problems" 2:15-4:00. 01-2000

Thomas J. O'Brien, Associate Professor, College of General Studies, "Population: The Number One
Priority" 2:15-3:00; 3:15. 01-3161

Ralph Lewis, Instructor, Reading and Study Department, "Sky. Earth. Food." 2:15-3:00 3:15-4:00.
Lawn between library and College Union (rain—01-2372)

Sarah Collins, Assistant Professor, College of General Studies, "Political Solutions to Environmental
Problems" 2:15-3:00, 3:15-4:00. 01-3300

Rerun of noon hour motion pictures. 2:15-4:00 Ingle Memorial Auditorium

Ingle Memorial Auditorium, College Union

- 4:10-5:00 Dr. Roger A. Morse, Director of Dyce Laboratory of Honey Bee Studies, Cornell
University, "Dirty Men in a Clean Environment"
- 5:00-5:30 Service of Prayer for the Reclaiming of the Earth—the Reverend William E. Gibson and
the Reverend Gerald J. Appelby, Chaplains, R.I.T.

The Student Association today urges all students not to attend classes in support of Earth Day activities. Both the Institute Policy Committee and the Deans have voted to maintain usual class schedules on the grounds that it "should be up to each student to decide on his own whether or not to support Earth Day." Student Association and *Reporter* feel that there is no choice involved, Earth Day must have the support of every thinking individual. Therefore, to register this support, students should not attend classes, but should attend the Earth Day program and perhaps inform their professors and Deans as to their reasons for doing so.

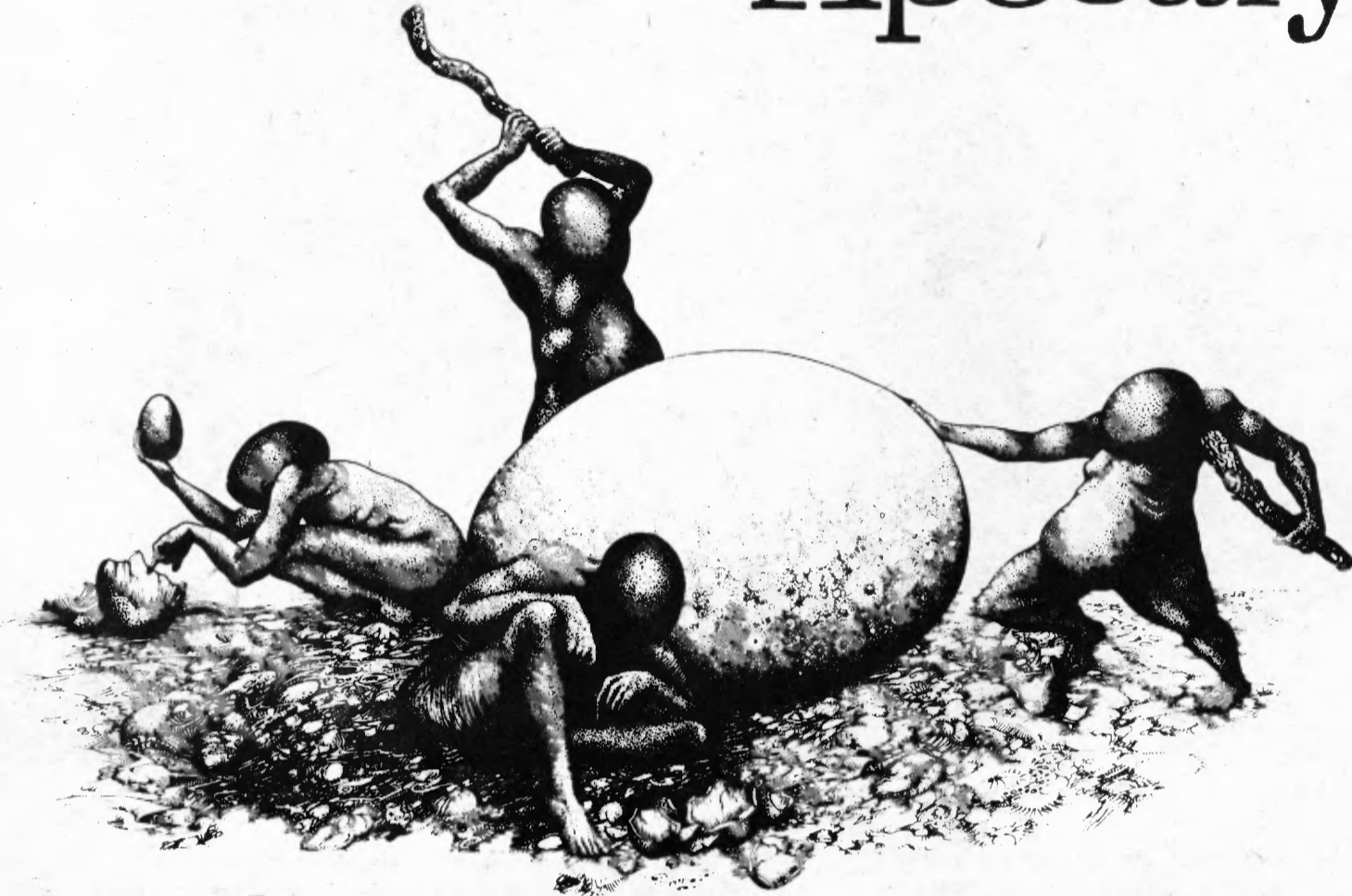


If there's one thing men and women produce more of than babies, it's garbage—and a field of garbage produces nothing except an ugly, eyesore to despoil the landscape. The problem of disposing of garbage and waste is one that must be solved *before the end of the decade*, or the day may come when you may have to move a few rusty, tin cans every time you want to see a blade of grass; providing there's any grass left at all. The scene pictured is the Rochester City Dump; someday, all of Rochester may look this way.

Garbage, like any problem, can't be ignored for long. And now the problem is beginning to catch up to us as it spreads like an odiferous cancer throughout our country. Its scars have been left on the roadsides, on the hills, and in the forests. Very soon, the problem may become the norm, and such a scene as this—with only a scattering of debris—may come to be thought of as a pristine sight. Today you may enjoy this particular landscape by driving along the road outside the Dump.



Rehearse for the Apocalypse



* Develop a taste for grubs and insects - your ancestors weren't too proud to lift a rock for their dinner.

* Practice starving.

* Every night before bedtime drink a glass of industrial and organic waste on the rocks (with mixer if you prefer).

Appreciating that most services and products will disappear over the next ten to twenty years, we suggest this little dry run:

* Turn off your gas

* Turn off your water

* Turn off your telephone

* Turn off your heat

* Turn off your electricity

* Sit naked on the floor and repeat this chant:
**PROGRESS IS OUR MOST IMPORTANT PRODUCT,
PROGRESS IS OUR...**

And as the final crisis approaches there's no better time to start hoarding. Start buying things you'll need after the Fall on credit - after the collapse no one will bother with collecting debts.

* While on the subject: start thinking about creative new uses for money since its present function will soon end. Remember, paper - particularly tissue - will be in short supply.

* Think about creative new uses for other potentially obsolete things like electric can openers, televisions, brassieres, toilets, alarm clocks, automobiles, etc.

* Accustom yourself to human body odor.

* Now is the time to learn a trade for the future - practice making arrowheads and other implements out of stone. Advanced students should start experimenting with bronze.

* For those of you who are investment minded, buy land, but you'd better leave enough bread to also buy a small arsenal to defend your property with

* Remember Victory Gardens? Plant your Survival Garden now!

* Better quit smoking - or rip off a tobacco warehouse.

* Stockpile useful items like matches, safety pins, thread and needles, condoms, etc.

* Learn how to shoot a bow and arrow.

* Start preparing for the fashions of the future. You girls might take a hint from the heroines of monster films and start tearing your clothing in tasteful but strategically located tatters in order to create the Fay Wray look of tomorrow. Those less frivolous minded among you should start cultivating your body hair. (Remember a naked ape is a cold ape)

* You housewives had better learn how to maim and kill with a vegematic.

* Finally everyone should buy a boy scout manual - or in lieu of that, buy a boy scout.

**SO IN FACING THE WORLD OF TOMORROW
REMEMBER: BUILD FOR THE FUTURE AND CON-
TEMPLATE SUICIDE.**

Reprinted Courtesy Chicago Seed
and Environmental Teach-In, Inc.

Evening Schedule

Environmental Laws – Can They Be Enforced?

Ingle Memorial Auditorium
8:00-10:00 p.m.



Nicholas Santoro



Henry Williams



Stephen May

Members of the Panel:

Stanley Fishman, Assistant Attorney General, and acting bureau head, New York State Water and Air Resources Bureau.

Dr. Paul A. Miller, President, Rochester Institute of Technology.

Wayne Harris, Attorney.

Hon. Stephen May, Mayor of the City of Rochester.

Nicholas Santoro, Monroe County Legislator.

Henry Williams, Monroe County Legislator and Member, Committee on Conservation, Recreation and Natural Resources.

Panel Moderator:

Ron Robitaille, WHEC-TV, Rochester.

Review of Ecological Literature

Ballantine's Handbook Is the Best

'The Environmental Problem' is the most complex issue in all human history. It is concerned with virtually all aspects of human knowledge, from philosophy to technology to the unconscious emotions. The fundamentals involved are so staggering in scope that there is considerable temptation simply to give up before barely beginning. Yet this would be fatal; more than any other time; each person must start to understand what in the world is happening.

The best introduction to 'The Environmental Problem' is an unusually comprehensive anthology edited by Garrett DeBell: "The Environmental Handbook" (Ballantine Books, \$.95). In this one volume most of the basic issues are discussed in short essays and portions of earlier books. "The Environmental Handbook" is particularly successful in presenting the religious and philosophic implications inherent in birth control, industrialization, and the general quality-of-life, as well as the more publicized issues such as pollution. DeBell has assembled an excellent primer, but it would be a mistake to stop there, since the issues go deeper and are more complicated than what can be presented in these short essays.

Luckily, Ballantine has been diligently publishing what now amounts to a small library of first-rate sourcebooks on ecology and environmental studies. Most important among these is the famous "The Population Bomb," the book that began to awaken people to the demographic facts of life. Written by Dr. Paul Ehrlich, "The Population Bomb" is a careful examination of the possible effects of an overpopulated planet in the next two decades. Wesley Marx's "The Frail Ocean" is a long, valuable look at the state of the water 7/10s of the world, and what

mankind is doing to this greatest of all natural resources. Marx reveals that far from being a unharmable, limitless fishing-hole and garbage dump, the seas are as subject to pollution and degradation as the atmosphere, with the additional hazard of being even tougher to clean up once dirtied.

Once touted as the panacea to all the world's power demands, nuclear reactors undergo careful scrutiny in Richard Curtis & Elizabeth Hogan's "Perils of the Peaceful Atom," and emerge with less of a clean bill of health than most of us would have suspected. It turns out that far from being clean and efficient, nuclear generating stations are incredibly filthy and fantastically dangerous. Radioactive by-products from nuclear reactions are not only impossible to truly dispose of, but the effects will linger for centuries. Equally deceptive and dangerous is the SST jet passenger plane. In "The SST and Sonic Bomb Handbook," the issue is dealt with at great length, and produces some surprising observations about the effect such a craft would have on the populations below its flight path.

"Moment in the Sun," by Robert and Leona Rienow is a report on the decline of the American environment. The Rienows spent several years traveling and researching this book, and have produced an often heart-breaking look at America's loss of pride in its natural surroundings, and its wanton destruction of the landscape in pursuit of the elusive dollar.

By the time Earth Day arrives, Ballantine will have published the UN Report on Chemical and Bacteriological Weapons, and a book on the effects of herbicides on wildlife. Together with the above five books, they will represent a basic reading list in ecology and environment studies for the general reader, and Ballantine is to be commended for publishing this unprecedented series. Beyond these one should read the more advanced texts in ecology, the several books on man/nature relations recently published, and the pioneering work in the whole field: "Walden" by Henry Thoreau which is becoming more relevant all the time. **James Sutherland**



THE RIT POLICY COMMITTEE HAS STATED:

1. The normal functions of the Institute be carried out on April 22, 1970.
2. It is the responsibility of the individual faculty member to decide the extent to which he will participate in the April 22 Environmental Teach-In. If he chooses to participate, it is understood that the normally scheduled materials for that class day will be presented at another time. Further, it is understood that faculty members should not call special examinations.
3. It is the responsibility of the individual student to decide the extent to which he will participate in the April 22 Environmental Teach-In. If he chooses to participate, it is understood that the normally scheduled materials for that class will be made up.

As a convenience in keeping with this policy, fill in the blanks below, clip out and return to the College Union Information Desk. They will be forwarded to your department, notifying them of your excused absence.

NAME _____

DEPARTMENT _____

I have excused myself from the following classes:

