

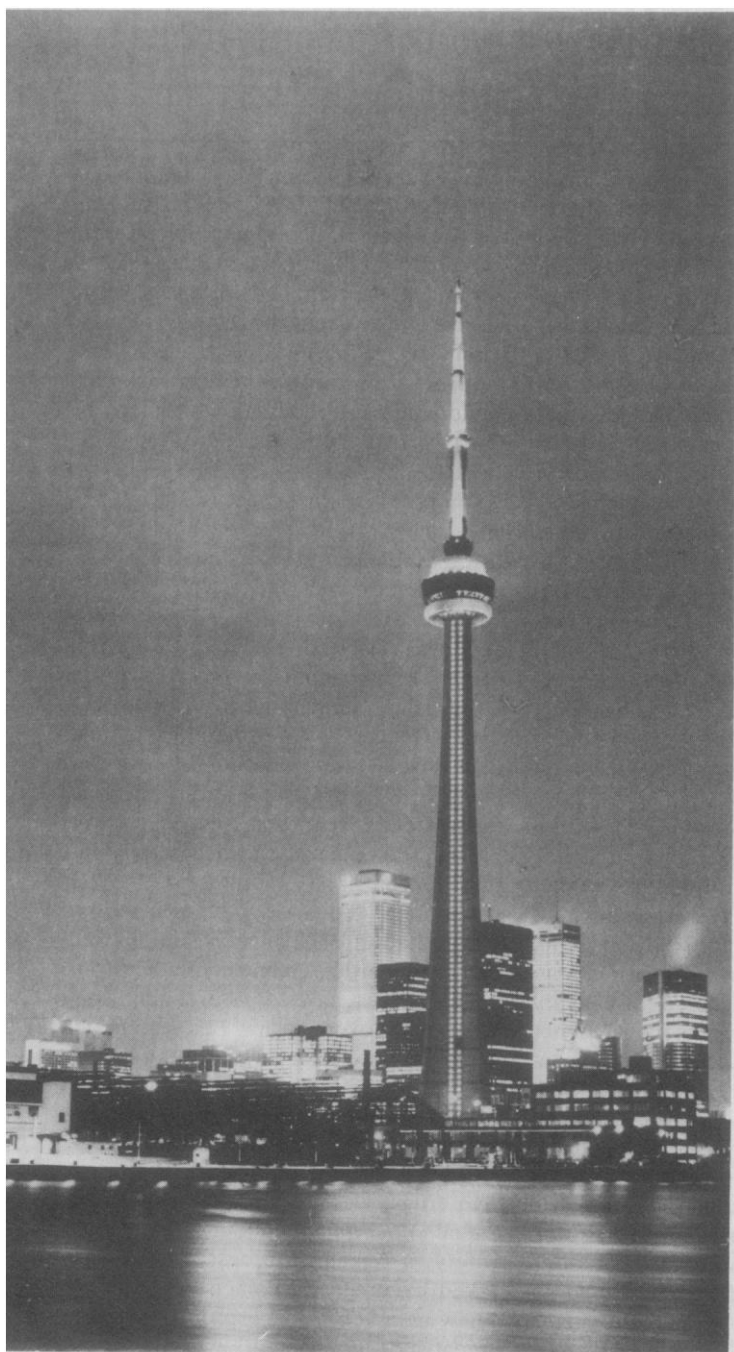


Annual Meeting
Toronto
3-8 January 1981

Meeting Program—Part II

Register in advance and receive a *free* 1980 AAAS Calendar with your *Program*; housing, registration, and air travel forms can be found on pages 526 through 528. For further details, see the Preliminary Program, *Science*, 12 September, pages 1221 to 1233; Tours, *Science*, 3 October, pages 47 to 52; and Meeting Program—Part I, *Science*, 17 October, pages 306 to 311.

HOTEL CODES: Sheraton Centre . . . (SH); Royal York . . . (RY)



CN Tower at night.

The theme for the forthcoming AAAS Annual Meeting in Toronto, "Science and Technology: Bridging the Frontiers," is exemplified in the Meeting Program through the manifold evidence of United States-Canadian cooperation in arranging programs and in the participation therein, as well as in the choices of topics, many of mutual scientific and technological interest. Those in the first half of the Program were outlined in the 17 October issue and the remainder appear below. Read them through; you will find much of direct interest to you, whatever frontier engrosses you. The Meeting in Toronto will be an exciting scientific and cultural event graced by fine Canadian hospitality. It is well worth your time and effort; make your reservations early to avoid the holiday crunch; the forms will be found on pages 526 through 528.

—ARTHUR HERSCHMAN

11. Medical Sciences

The Role of Dissociation in Hypnosis and Psychopathology (4 Jan., 9:00 a.m., RY): Historical perspectives, amnesia, hysterical blindness.

Marion Kenn, Kenneth S. Bowers, Patricia Bowers, John Nemiah, John F. Kihlstrom, Harold A. Sackheim, Ruben Gur.

Recent Developments in Medical Imaging (5 Jan., 9:00 a.m., 2:30 p.m., RY): High resolution structure, electron microscopy, ultrasound, computerized fluoroscopy, CT scanners, tomography, nuclear magnetic resonance, three-dimensional imaging, positron emission tomography, diagnostic radiology.

Harold E. Johns, F. P. Ottensmeyer, D. P. Bazett-Jones, John W. Hunt, S. Foster, Andrew B. Crummy, Charles A. Mistretta, Aaron Fenster, Brian Rutt, John W. Keyes, Jr., John Mallard, J. M. S. Hutchinson, M. A. Foster, W. A. Edelstein, C. R. Ling, F. W. Smith, A. Reid, R. Selbie, G. Johnson, P. W. Redpath, Paul C. Lauterbur, David M. Kramer, Howard E. Simon, M. Phelps, K. W. Taylor.

Why Don't Patients Take Their Medicines and What Can Be Done About It? (6 Jan., 9:00 a.m., RY).

David L. Sackett, R. Brian Haynes, D. Wayne Taylor, Barry Blackwell.

Geographic Medicine: A New World (6 Jan., 2:30 p.m., RY): Tropical diseases, trypanosomiasis, malaria, smallpox, schistosomiasis, health care.

Kenneth S. Warren, Frederick C. Robbins, Adetokunbo T. Lucas, Anthony Cerami, Victor Nussenzweig, William H. Foege, Adel A. F. Mahmoud, John Evans.

Cancer Therapy: Clinical Trials, Regulations and Bioethics (7 Jan., 9:00 a.m., RY): Status, oncology, regulatory considerations, ethical dilemmas.

Vijaya L. Melnick, Franklin D. Hamilton, Lasalle Lefall, Philip Schein, Robert S. K. Young, Harley M. Dirks.

Cell-Cycle Kinetics and Chemotherapy (7 Jan., 2:30 p.m., RY): Cancer therapy, differential sensitivity according to the phases of the division cycle, multi-agent therapy, late cell renewal failure.

Daniel E. Bergsagel, Ian Tannock, Hywel Madoc-Jones, Leslie Botnick.

New Insulin Delivery Devices: Will They Alter the Treatment of Diabetes Mellitus? (8 Jan., 9:00 a.m., RY): Bioartificial devices, isolated islets of Langerhans, subcutaneous infusions, intravenous infusions.

A. Michael Albisser, Gerard Reach, Philip Felig, Errol B. Marliss.

Intrauterine Diagnosis (8 Jan., 1:30 p.m., RY): Fetal diagnosis, abnormalities, lung maturity, lipid analysis, ultrasomography, heart rate monitoring.

Mildred T. Stahlman, Ronald G. Worton, Goran E. Enhorning, Murray Miskin, John Patrick.

12. Health Care

Network Models in Health and Human Services (4 Jan., 9:00 a.m., RY): Community ties and support, helping networks, social networks, marital satisfaction, stress, divorced couples, personality correlates.

Alvin W. Wolfe, Barry Wellman, Donald I. Warren, Linda Gutwirth, Muriel Hammer, Gary S. Hurd, Barbara W. Lex, E. Mansell Pattison, Christopher Tolsdorf, Eileen Edmunson, Richard Weinberg.

Adoption and Social Impact of New Medical Practices (4 Jan., 2:30 p.m., RY): Randomized clinical trials, communication network, health care technologies.

Stan N. Finkelstein, Edward J. Sondik, John R. Evans, Laurence R. Tancredi, Donald A. Young, Barbara J. McNeil, Jack Homer, A. Joseph Kleinmann.

Choices in Health Care: Decision-Making and Evaluation of Effectiveness (5 Jan., 9:00 a.m., 2:30 p.m., RY): Prescriptive approaches, information systems, cardiovascular treatment, discriminant function analysis, liver disease, psychological approaches, end-stage renal disease, surgical decision-making, cost effectiveness, policy implications, health status indices, voice states, physical function, social and psychological outcome.

Raisa B. Deber, Claire Bombardier, Antonio Ciampi, Howard S. Barrows, Stephen G. Pauker, H. Dominic Covvey, David M. Goldberg, Arthur S. Elstein, Eugene Vayda, George W. Torrance, Milton Weinstein, Greg L. Stoddart, Joseph Lipscomb, Norman F. Boyd, M. Katz.

The Meaning of Child Health (6 Jan., 9:00 a.m., RY): New morbidity, the community, chronically ill, social stress, child as a consumer.

Jack Elinson, Dorothy Jones Jessop, I. Barry Pless, Mary Grace Kovar, Ruth E. K. Stein, Robert J. Haggerty, Charles E. Lewis.

Immunopharmacology: A Rapidly Expanding New Interdisciplinary Field (6 Jan., 2:30 p.m., RY): Interferon, inflammation, immune response, immunotoxicology.

Leslie Z. Benet, Alan M. Reynard, William E. Stewart, II, Kenneth L. Melmon, Peter W. Mullen, Donald F. Horrobin.

Surveillance of Drugs and Prescribing (7 Jan., 9:00 a.m., 2:30 p.m., RY): Quality and economy of prescribing, ambulatory utilization, pharmacokinetic data, computer audit, post-marketing surveillance, Joint Commission on Prescription Drug Use, consumers, FDA's role.

David A. Knapp, Dee A. Knapp, Joseph A. Oddis, Harold J. Segal, Henry E. Simmons, Lawrence R. Rose, Jacques Tremblay, Robert S. Beardsley, Donald A. Brand, Dennis Slone, Kenneth L. Melmon, Monroe E. Trout, Sidney M. Wolfe, Stuart L. Nightingale.

Rationale and Methods of Controlled Release of Pharmaceuticals (8 Jan., 9:00 a.m., RY): Membrane properties, osmosis, polymer erosion.

Jorge Heller, Joseph R. Robinson, Charles E. Rogers, Felix Theeuwes.

13. Sociology and Economics

The Factory as Workplace: Past, Present, and Future (4 Jan., 9:00 a.m., RY): Emergence of the factory, scientific management, industrial workplace, future.

Gary Kulik, William S. Pretzer, Craig Heron, Nina Shapiro-Perl, Harley Shaiken.

The Organizational and Human Implications of New Manufacturing Technology (4 Jan., 2:30 p.m., RY): Industrial worker, social aspects, human value systems, adjustment and adaptation, organization of the firm.

Joel D. Goldhar, Barbara A. Burns, Rolf Piekarz, Robert Schrank, Sidney P. Rubinstein, David Sirota, Joel A. Fadem.

Aging from Birth to Death: Sociotemporal Perspectives (5 Jan., 9:00 a.m., 2:30 p.m., RY): Generation and age, life course, conflict between age strata, early life transitions, socioeconomic careers, changing age systems, families, retirement, social indicators.

Matilda White Riley, Michael S. Teitelbaum, David I. Kertzer, Jennie Keith, Nancy Foner, Dennis P. Hogan, Albert Simkus, Anne Foner, Michael B. Katz, Maris Vinovskis, Barbara Boyle Torrey, Denis F. Johnston.

The Measurement of Socioeconomic Status: Current Issues (6 Jan., 9:00 a.m., RY): U.S. census data, Canadian census data, Duncan Socioeconomic Index.

Mary G. Powers, Bernard R. Blishen, Charles B. Nam, E. Walter Terrie, David L. Featherman, Gilliam A. Stevens, Monica Boyd, Hugh McRoberts, Judith Treas.

Don't miss it!

Don't miss this year's exhibit! It's bigger and better than ever, with displays from government agencies, publishers, associations, and every aspect of science and industry. The fascinating *Science Circus* will be on view, courtesy of the Ontario Science Centre. And if you need a quick bite to eat on the way to a session, luncheon will be available daily at reasonable prices.

If your company or organization would like to participate, or if you know of an organization you think should be there, contact Steve Pike, Marketing Manager, 6th Floor, 1776 Massachusetts Avenue, NW, Washington, D.C. 20036. Telephone: 202-467-4490.

Society and the Handicapped: Ethical, Social-Psychological, Sociological, and Administrative Perspectives (6 Jan., 2:30 p.m., RY): Disabled in society, conflict in the blindness system, college priorities.

Hanan C. Selvin, Yole G. Sills, Warren Reich, Robert Kleck, George T. Potter, Manoucher Parvin.

Sino-American Exchange of Information: Status of Study in the Social Sciences (7 Jan., 9:00 a.m., 2:30 p.m., RY): Social sciences in China, sociology and anthropology, structure of exchanges, new developments in China, T'aitou revisited, communes, aging in China, fieldwork in Guangdong.

Burton Pasternak, Anne F. Thurston, Mary Brown Bullock, Fei Xiaotong, Martin King Whyte, Norma Diamond, Stephen B. Butler, Deborah Davis-Friedman, Helen Funghar Siu.

14. Anthropology

Women and Science: Two Cultures or One? (4 Jan., 9:00 a.m., RY): Competition and cooperation, scientific objectivity, feminism, biology.

Evelyn Fox Keller, Hilde Hein, Marian Lowe, Elizabeth Fee, Hilary Rose, Madeleine J. Goodman.

Humanity's Place in Nature: Exploring the Convergence of Scientific, Philosophical, and Religious Perspectives (4 Jan., 2:30 p.m., RY): Psychoccephalon, ethics, human nature, evolution, religious experience, world divergence.

Karl E. Peters, Philip Hefner, Paul D. MacLean, Garrett Hardin, Robert C. Sorensen, W. Widick Schroeder, John W. Bowker.

Undocumented Immigration: Sociocultural and Ethical Considerations (5 Jan., 9:00 a.m., RY): Mexican experience, ethical interpretations.

Nancie L. Gonzalez, Peter G. Brown, Thomas Weaver, Henry Shue, Vernon Briggs, James W. Nickel, Judith Sorum.

Religion and Food (5 Jan., 2:30 p.m., RY): Arranged by: Solomon H. Katz.

Pluralistic Approaches in a Pluralistic Society: The Scientific Study of Religion in Canada (6 Jan., 9:00 a.m., RY): Conservative religion, Mackenzie Pipeline Inquiry, dialectical theory, civil religion, religion and nationalism, sociology of religion.

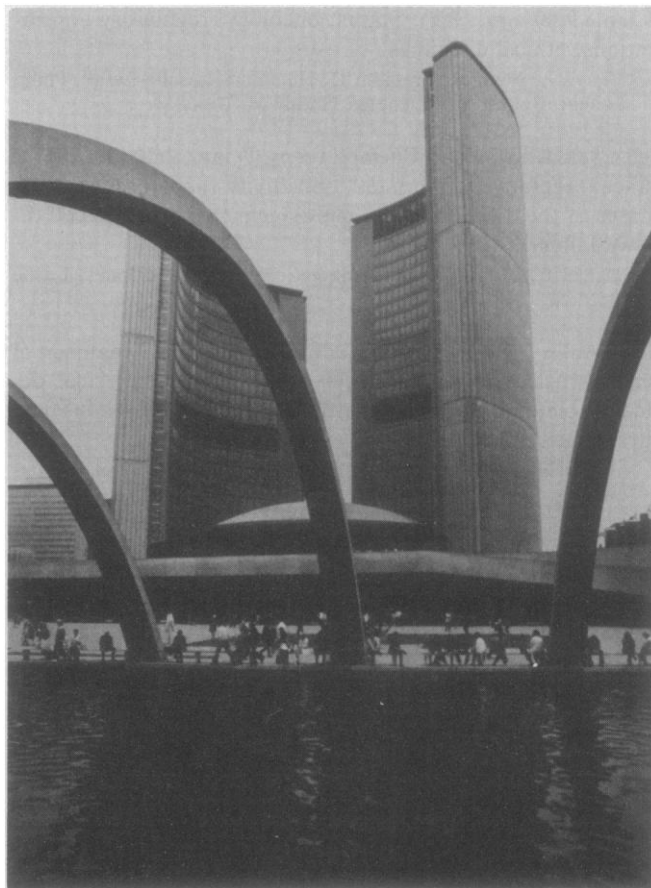
Roger O'Toole, John H. Simpson, Roger Hutchinson, Gibson Winter, T. Rennie Warburton, Robert Blumstock, Roland Chagnon, John Whitworth.

Rural Inequality and Change (6 Jan., 2:30 p.m., RY): Growth and impoverishment, rural income, Kenya, development schemes, alien settlers, development and inequality, measurement, Sahel.

Priscilla Reining, Irma Adelman, Edgar V. Winans, Eric Reynolds, Angelique Haugerud, David Brokensha, Peter McLoughlin.

The Origins of Man: Biochemical, Anatomical, and Paleontological Perspectives (7 Jan., 9:00 a.m., 2:30 p.m., RY): Phylogenetic position, *Australopithecus afarensis*, early human evolution in Africa, anatomical change, diet, molecular contributions, origin of man, Darwinian theory, Miocene hominoids, limits of inference, reproductive strategy.

C. Owen Lovejoy, Glynn Isaac, Tim D. White, D. Carl Johanson, B. Tom Gray, Alan E. Mann, Alan C. Walker, Vince M. Sarich, Morris Goodman, Elwyn L. Simons, Richard J. Smith.



City Hall.

Paleopathology of Prehistoric Populations of Canada (8 Jan., 9:00 a.m., RY): Arranged by:

F. Jerome Melbye.

Social Systems and Evolutionary Theory (8 Jan., 1:30 p.m., RY): Malaysian culture, cladistic analysis, projectivism, mutational processes, historical complexity, functional simplicity, evolutionary analysis.

Eugene E. Robkin, Paul Diener, Donald M. Nonini, Susan Ford, Harvey Wheeler, Howard H. Pattee.

15. History and Philosophy of Science

Do the Engineering and Scientific Societies Have a Role in Promoting Ethical Conduct Among Their Members? (4 Jan., 9:00 a.m., RY): Ethics activities, code of professional conduct, moral roles, constraints.

Mark S. Frankel, Sheri L. Smith, Donald E. Wilson, Joseph R. Sanders, Oliver R. Smoot, Martha B. Montgomery, Paul D. Reynolds, Warren D. Niederhauser.

Alfred L. Wegener (1880–1930) and the Revolution in the Earth Sciences (4 Jan., 2:30 p.m., RY): Continental drift, Frank Taylor's theory, reception of Wegener's theory, plate tectonics, sea-floor spreading.

Henry Frankel, Harold Burstyn, Mott Greene, Rachel Laudan, Ursula B. Marvin, Robert Dott, E. Irving.

The Place of Science in the History of Science (5 Jan., 9:00 a.m., RY).

George Basalla, Brooke Hindle, Camille Limoges, Frederic L. Holmes, Robert E. Kohler, Nathan Reingold.

The Human Knowledge Process: The Role of Its Special System Forming Activity in Human Ecology (5 Jan., 2:30 p.m., RY): Epistemic precursor sensitivity, evolution and transcendence, humane evolution, triune brain, deep subjectivity, technology as the milieu, obsolescence.

William Gray, Aristide H. Esser, Jerzy A. Wojciechowski, Paul D. MacLean, Roger Poole, Ursula Franklin, Ervin Laszlo.

Patterns in Scientific Thinking (6 Jan., 9:00 a.m., RY): Scientists' self-concepts, causal loop theories, evolutionary architecture, overlooked factors, anthropologists' study.

Magoroh Maruyama, Roger Krohn, Paul R. Diesing, Wolfgang H. Hilbertz, James H. Austin.

Views of the Universe: Science versus Tradition (6 Jan., 2:30 p.m., SH): Time Scales, evolution, big-bang cosmology, traditionalist movements.

Rolf M. Sinclair, Porter M. Kier, Milton K. Munitz, William V. Mayer.

Psychological Bases of Morality (7 Jan., 9:00 a.m., RY): Reciprocity in personal relations, peer interaction, gossip and moral life, moral reasoning.

Robert Hogan, Michael Chapman, James Youniss, William Damon, Maury Silver, John Sabini.

The Scientific Literature as a Mirror of Science: Quantitative Studies (7 Jan., 2:30 p.m., RY): Intellectual space, quantum mechanics, intellectual resources, model scientific literature.

Belver C. Griffith, Howard D. White, Henry G. Small, Derek de Solla Price.

Documenting the History of Science and Technology (8 Jan., 9:00 a.m., RY): Individual and team, crucial documents, records of technical societies, non-historian users, preserving and publishing.

Edward C. Carter, II, Reese V. Jenkins, Nathan Reingold, Bruce Sinclair, Helen W. Slotkin, Darwin H. Stapleton.

Frontiers of General Systems and Cybernetics Research (8 Jan., 1:30 p.m., RY): Epistemology; methodological considerations, humanistic considerations; systems, observers, and groups; global learning; applications.

William J. Reckmeyer, Roger Conant, Heinz von Foerster, George J. Klir, William Gray, Stuart A. Umpleby, Michelle Geslin Small, Mihajlo D. Mesarovic.

16. Information and Computing

Machine Intelligence and Perception: Premises and Progress (4 Jan., 9:00 a.m., 2:30 p.m., RY): Arranged by:

Judith M. S. Prewitt.

Graph Theory in Contemporary Science and Technology (5 Jan., 9:00 a.m., RY): Arranged by:

Judith M. S. Prewitt.

Human Factors Considerations in Computer Systems for Non-Professional Users (5 Jan., 2:30 p.m., RY): Inexperienced users, humanizing criteria, human-computer interface, time-sharing systems, end user systems, involving users.

Michael J. Seven, Frederick A. Muckler, Theodore D. Sterling, Robert C. Williges, J. R. Tessier, Garry A. Helander, C. Michael B. Anderson.

International Exchange of Scientific and Technical Information (6 Jan., 9:00 a.m., 2:30 p.m., RY): Congressional view, trans-border data flow, international dimensions, scientific inter-

pretation, changing technological boundaries, National Library of Medicine, developing countries, formulating policies, the future.

Robert L. Chartrand, George E. Brown, Jr., Peter Robinson, Thomas R. Pickering, Sidney Passman, Charles Dalfen, Jane Bortnick, Mary E. Corning, John E. Woolston, Edward K. Zimmerman, Taro Nakayama.

Technologies for the Information Society: A Canadian Perspective (7 Jan., 9:00 a.m., 2:30 p.m., RY): Telidon, educational applications, direct broadcast satellites, Inukshuk project, digital revolution, fiber optics.

Lewis Auerbach, Arthur Cordell, Ronald E. Barrington, Douglass F. Parkhill, John C. Madden, Maria L. Cioni, N. G. Davies, David Simailak, Lindsay A. Green, Donald Chisholm, Rudi Kriegler.

Functional Limitations in Primary Memory (8 Jan., 9:00 a.m., RY): Theoretical views, speech and reading, output, children's thinking, memory deficits.

Fergus I. M. Craik, Robert G. Crowder, Robert A. Bjork, Robbie Case, Marcel Kinsbourne.

Quantification of Mental Work Load in Man-Machine Systems (8 Jan., 1:30 p.m., RY): Theoretical basis, methodologies, system failure.

John W. Senders, Thomas B. Sheridan, William B. Rouse, Neville P. Moray.

17. Education

Self-Instruction for Medical Students: Old and New Methods (4 Jan., 9:00 a.m., RY): Clinical textbook, journal, self-instruction by computer.

Philip K. Bondy, Paul B. Beeson, Arnold S. Relman, Gregory L. Trzebiatowski.

Can We Educate for Leadership? (4 Jan., 2:30 p.m., RY).

Anna J. Harrison, Frederick Mosteller, John A. Carey, James M. Ham, William N. Hubbard, Charlene Jarvis, Thomas Moss.

Science Education Programs Bringing the Scientific Community Together with Teachers and Students (5 Jan., 9:00 a.m., RY): Science research training, scientists in schools.

Sidney Borowitz, Morris Shamos, Bonnie Brownstein, Harry Lustig, Leslie Mitchell, Charles Wilson, Willard Jacobson, Seymour Papert, Michael Tempel.



The Clock Tower. [Courtesy Canadian Government Office of Tourism]

An Exploration of Early Intervention to Improve the Academic Skills of Black Students (5 Jan., 2:30 p.m., RY): Present status, adult-child interactions, preschool period, early primary grades.

Lloyd G. Humphreys, J. Mcv. Hunt, Victoria R. Seitz, Wesley C. Becker, Siegfried E. Engelmann, Edmund W. Gordon.

A Program to Introduce Science to Physically Handicapped Students (6 Jan., 9:00 a.m., RY): NSF project, biology, visually handicapped, research participation, computer science, orthopedically impaired, general science, and hearing handicapped.

S. Phyllis Stearner, Nansie S. Sharpless, Kenneth S. Ricker, William H. Rauckhorst, John C. Longstreet, Dean R. Brown.

New Directions in Education: Implications of Recent Developments in Cognitive Science and Computation (6 Jan., 2:30 p.m., RY): Mechanistic systems, mental models, qualitative reasoning, computer-assisted instruction, Socratic teachers, human problem-solving.

Frederick Reif, John Seely Brown, Michael D. Williams, Allan Collins, Andrea A. di Sessa.

Early Adolescence: A Critical Stage for Science Education (7 Jan., 9:00 a.m., RY): Canadian education, student beliefs, curricular choices, alternative science curriculum.

James T. Robinson, Graham W. F. Orpwood, Gaalen L. Erickson, Douglas A. Roberts.

Social and Political Implications of Achievement Testing (7 Jan., 2:30 p.m., RY): Social consequences, politics, trial by testing.

Joseph D. Novak, Ezra Glaser, Robert L. Ebel, Leon Kamin, E. Wood Kelley.

Science, Mathematics and Gifted Youth (8 Jan., 9:00 a.m., 1:30 p.m., RY): Defining giftedness, youth futures, academic performance, professional preparation, schools, science academy, science centers, anti-intellectualism.

Joseph M. Dasbach, Arthur H. Livermore, Letitia Lestina, Abraham J. Tannenbaum, Shirley M. Malcom, Robert A. Finnell, Heather L. Carter, Leroy R. Lee, Melvin R. Webb, Kay Davis, Jesse L. Jackson.

18. Public Access to Science

Science Museums, Science Centres, and Television: Seeing versus Doing in the Public's Understanding of Science (4 Jan., 2:30 p.m.; 5 Jan., 9:00 a.m., 2:30 p.m.; SH): History museum, science museum, new museum, Ontario Science Centre, profile of visitors, demonstrations, science education, scientists on the TV screen.

James W. Bell, Peter Swan, Brooke Hindle, Frank Oppenheimer, Charlene James, David M. Baird, Fiona Nelson, J. Tuzo Wilson,



If your plans change and you won't be using this room . . . please notify the AAAS Housing Bureau.

Phyllis Mayeda, George Vanderkuur, Eustace Mendis, Joel Weiss, June Callwood, George Gerbner, Alice E. Courtney, David Suzuki, Gerald Wheeler.

Promoting Science at the Grass Roots Level: The Local Academy (5 Jan., 2:30 p.m., RY): Heritage publications, faculty development, state government liaison, science issues and policies, industrial development.

Everett L. Wisman, Robert W. Hanson, Lynn E. Elfner, Dean A. Rosebery, Ertle Thompson, John L. Cain, Robert E. Henderson.

Science and Secrecy (6 Jan., 9:00 a.m., RY): Privacy, impeding research, national security, nuclear secrecy.

Stephen H. Unger, David Kahn, George I. Davida, David H. Brandin, Hugh E. Dewitt.

Distance Education (6 Jan., 2:30 p.m., RY): Post-secondary education, laboratory and fieldwork, evaluating programs.

Trilochan S. Bakshi, Donald R. McNeal, Robert G. Holmberg, Dennis D. Gooler.

Public Input into Science Issues in the Canadian Inquiry Process (7 Jan., 9:00 a.m., RY): Commission on inquiry, citizen as scientist, roles of science, decision-making.

Judith Miller, Jack Basuk, René Beaudry, David V. Bates, Liora Salter, James E. Brydon.

The Attitudinal and Behavioral Foundations of Public Participation in Science Policy (7 Jan., 2:30 p.m., RY): Attentive public, referendum, nuclear power.

Jon D. Miller, Kenneth Prewitt, Don K. Price, Debra Hensler, Carl Hensler, Dan Metlay, Harvey Averch, Paul Buckley.

Science in the News: Risks and Benefits (8 Jan., 1:30 p.m., RY): Three Mile Island, recombinant DNA, genetic screening, model reporting program.

William E. Burrows, Fred Jerome, David M. Rubin, Rae Goodell, Richard Severo.

19. Social Implications of Technology

Radioactive Waste: Technically and Politically Viable Solutions (4 Jan., 9:00 a.m., 2:30 p.m., SH): Options for storage and disposal, solidification, deep underground disposal, burial in deep sea, waste management, total system solution, national program, environmentalist's approach, Congressional approaches, politics.

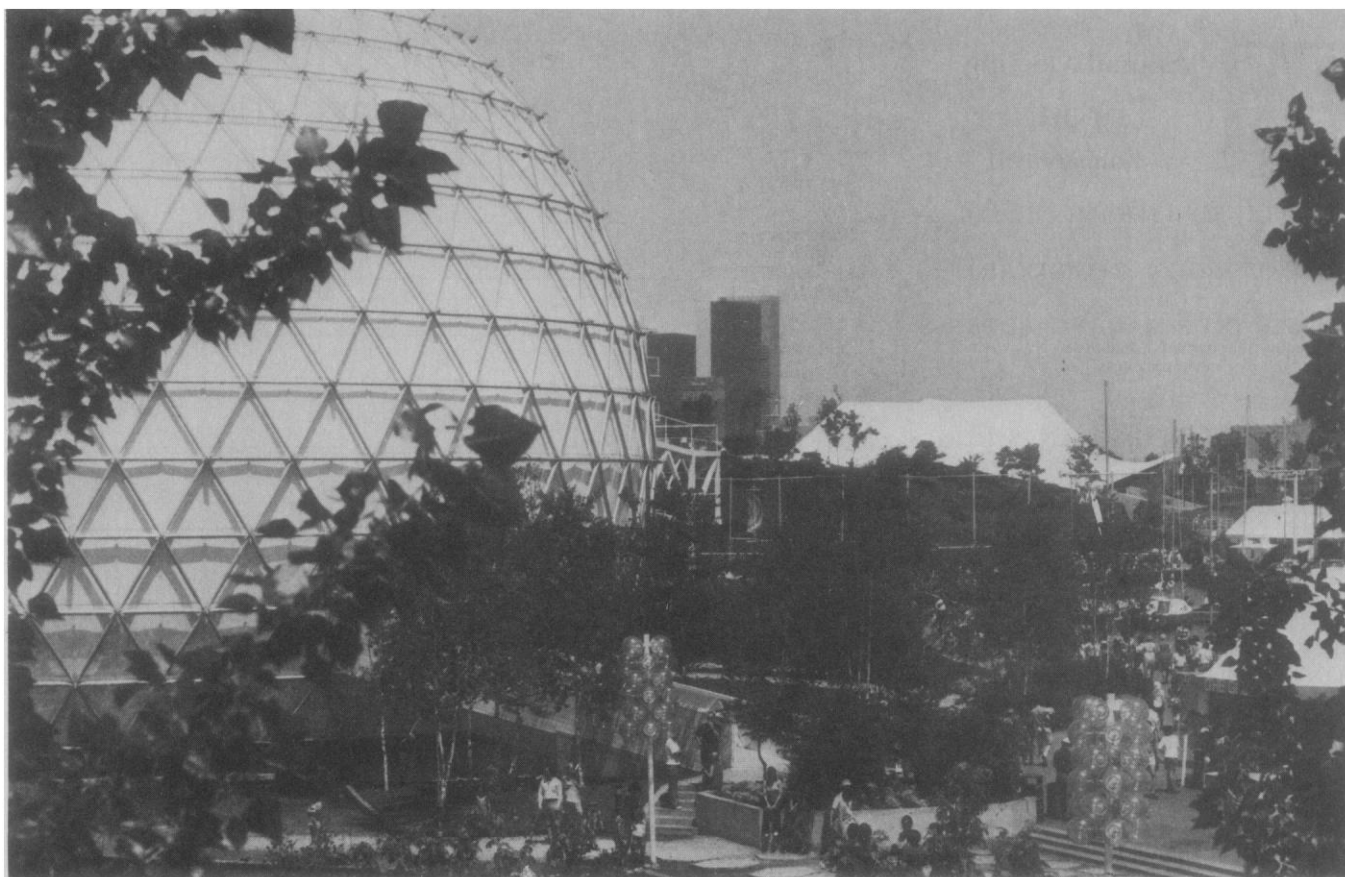
Rustum Roy, Eva L. J. Rosinger, S. Alex Mayman, Gregory J. McCarthy, G. E. Grisak, Charles D. Hollister, D. P. Anderson, G. Ross Heath, Roger E. Kasperson, Robert W. Kates, Robert B. Lyon, George W. Cunningham, James Harding, Stanely N. Lundine, Roy MacLaren.

Innovation and the Law (5 Jan., 9:00 a.m., 2:30 p.m., SH): Antitrust law, regulation, intellectual property law.

Joel D. Goldhar, Stephen M. Axinn, Thomas B. Leary, Alvin M. Stein, Michael Baram, Mary Hamilton, Robert H. Pry, David Guberman, Julius D. Heldman, Jack L. Lahr, Yale M. Braustein, Melvin Kranzberg, Robert F. Rich.

State/Province and Federal Roles in the Management of the Nuclear Fuel Cycle (6 Jan., 9:00 a.m., 2:30 p.m., SH): Jurisdictional conflict, industrial perspective, transcontinental shipping, uranium mining, nuclear power plants, uranium mill tailings, federal preemptive legislation, Congressional viewpoint.

Phyllis Kahn, William J. Scanlon, Jon H. Jennekens, Hugh S. Irvine, Robert E. Luna, David V. Bates, Emilio E. Varanini, III, Dean Abrahamson, Elisa J. Grammer, Paul Hess, Ian Marceau, Ralph D. Torrie.



Ontario Place. [Courtesy Canadian Government Office of Tourism]

The Impact of Technological Policy on Industrial Policy: Comparative International Experiences (7 Jan., 9:00 a.m., SH): French, Canadian, EEC, Japanese.

John Diebold, William Diebold, Jr., Pierre Aigrain, others to be announced.

The SST Controversy Ten Years Later: A Case Study in the Use of Science for Decision-Making (8 Jan., 9:00 a.m., SH): Nitrogen oxides, models or observations, stratospheric ozone, values underlying the controversy.

S. Fred Singer, Harold I. Schiff, Robert C. Oliver, Harold S. Johnston, Hugh W. Ellsaesser, Brian Martin.

20. Science and Technology Policy

Successful Models of University-Industry Collaboration on Research (4 Jan., 9:00 a.m., RY): Chemical research, Exxon, catalytic science and technology, California State Colleges.

Walter S. Baer, John D. Caplan, Alfred E. Brown, Peter J. Lucchesi, James R. Katzer, Daniel Berg, Francis A. Darknell.

The Scientist as Expert Witness (4 Jan., 9:00 a.m., 2:30 p.m., SH): Expert witnesses in the courtroom, forensic experts, shadow of doubt, defense experts, statistical assessments as evidence.

Albert H. Teich, Emilio Q. Daddario, Alan H. Legum, Donald A. Gordon, Daniel E. Willard, Howard T. Markey, W. Brown Morton, Jr., Daniel W. Vomhof, Stephen E. Fienberg, Miron L. Straf, Lawrence E. Walsh.

Bad Research—Good Decisions: The Role of Expert Analysis in Policy-Making (6 Jan., 9:00 a.m., RY): Love Canal, nutrition controversy, energy policy decisions, peer review.

Jessica T. Mathews, Frank von Hippel, Charles E. Carter, C. Wayne Callaway, Martin Greenberger, Lionel S. Johns.

The Mediation of Environmental Disputes: The U.S., Canadian, and Joint Experience (6 Jan., 9:00 a.m., RY): Native peoples, U.S. experience, pollution across national boundaries, Canadian/U.S. problems.

Robert E. Stein, Leon Mitchell, Gerald W. Cormick, James W. MacNeill, Lawrence Susskind.

The Uses of History in Policy Analysis and Strategic Planning (6 Jan., 2:30 p.m., RY): Smoke control movement, air transport industry.

Vary T. Coates, Joel A. Tarr, David C. Mowery, Nathan Rosenberg, George E. Brown, Jr., John Reuss, W. H. C. Simmonds, Merrick Rose Smith.

Policy Outlook on Science and Technology (7 Jan., 9:00 a.m., RY): Five-Year Outlook Report, policy tool.

Jurgen Schmandt, Daryl E. Chubin, Susan G. Hadden, John M. Logsdon, Robert P. Morgan, Edward Wenk, Jr., William P. Blanpied, Albert H. Teich, William T. Golden, Norman Hackerman, Robert Harris, Melvin Kranzberg, Tom Moss, Bruce L. R. Smith.

Interdisciplinary Research: Policy and Performance Issues (7 Jan., 2:30 p.m., RY): Industry and university, government support, biomedical sciences.

Alan L. Porter, Frederick A. Rossini, Dael Wolfe, Herbert I. Fushfeld, Robert S. Cutler, Anthony R. Michaelis, Daryl E. Chubin, Terry Connolly, Philip H. Birnbaum, Albert H. Teich.

Impact and Risk Assessment: Professionalism and Participation (8 Jan., 9:00 a.m., 1:30 p.m., RY): Theory and practice, decision-making process, technology assessment, professionalism, community approach, anthropological view.

Frederick A. Rossini, Joshua Menkes, William R. Freudenburg, Howard Raiffa, Robert J. Budnitz, G. Patrick Johnson, Arthur L. Norberg, Jiri Nehnevajsa, Vary T. Coates, Desmond M. Connor, Steven C. Ballard, Thomas E. James, John Peterson, C. P. Wolf, Alan L. Porter.