HEALTH—EDUCATION—SOCIAL SCIENCES

Effects of Inadequate Nutrition on Human Development

Arranged by Nevin S. Scrimshaw (United States) and Salvador Zubirán (Mexico).


The illustrations used are from Design Motifs of Ancient Mexico by Jorge Enciso, published by Dover Publications, Inc., New York.

Technical Symposia

Neurohumoral Coding of Brain Function

Arranged by René Raúl Drucker-Colín (Mexico) and Robert D. Myers (United States).

26 June. 9:00 a.m. “Molecular Correlates of Brain Function.” Chairman: F. Anton-Tay. “The role of GABA metabolism in the regulation of cerebral excitability,” Ricardo Tapia (Mexico); “Axoplasmic transport in the basal ganglia,” Patrick L. McGeer (Canada); “Cyclic AMP and the inhibition of cerebellar Purkinje cells by non-adrenergic synapses,” Floyd E. Bloom (United States); “Evidence for cholinergic transmission in the cerebral cortex,” J. W. Phillips (Canada).

3:00 p.m. “Neurohumoral Mechanisms in Basic Physiologic Functions.” Chairman: H. O. J. Collier (England). “Coding of metabolic information by hepatic glucoconcomitant receptors,” Mauricio Russe (Mexico); “Neurochemical mechanisms of temperature regulation and food ingestion,” Robert D. Myers; “Increased protein synthesis in nerve end terminals during the development of amygdala kindled convulsions,” Víctor Aleman (Mexico); “Central neural transmitters and aggressive behavior,” Donald J. Reis (United States); “Chemistry of reward and punishment,” Larry Stein (United States); “Regulation of information processing in the hippocampus by K+ release and (K+) accumulation,” Iván Izquierdo (Argentina).

27 June. 9:00 a.m. “Neurohumoral Mechanisms in Behavioral Regulation.” Chairman: Geoffrey Hall (England). “Modulatory effects of acetylcholine and catecholamines in the caudate nucleus during motor conditioning,” Hector Brust-Carmona (Mexico); “The effects of drugs and electrical stimulation of the brain on memory storage processes,” James L. McGaugh (United States); “Chemical coding of sleep with special reference to the sleep factor delta,” Marcel Monnier (Switzerland); “The possible nature of the sleep-inducing brain perfusates: Its relationship to seizure inhibition,” René Raúl Drucker-Colín; “5-Hydroxyindoleacetic acid in cerebrospinal fluid during wakefulness, sleep and electrical stimulation of the raphe system,” Miodrag Radulovacki (United States); “Possible role of melatonin in sleep processes,” Augusto Fernández-Guardiola (Mexico); “Interactions of amine systems in the central nervous system in the regulation of the states of vigilance,” Peter Morgan (United States).

3:00 p.m. “Neurohumoral Factors and Mental Disorders.” Chairman: Alfredo Gómez-Puyou. “Comparative studies of urinary bufotenin in control and in chronic schizophrenic patients free of drugs: Gas chromatography—mass spectrometric identification,” Harold E. Himly (United States); “Phenylethylamine: Possible role in depression and antidepressive drug action,” Hector Saborbelli (United States); “Neurochemical and neuroendocrine aspects of sleep: Relationship to sleep disorders and to medical illness,” Roger J. Broughton (Canada); “The chemical coding via the cholinergic system: Its organization and behavioral implications,” Alexander G. Karczmar (United States); “A model of the vertebrate nervous system based largely on disinhibition: A key role of the GABA system,” Eugene Roberts (United States).

Sociolinguistics and Language Planning

Arranged by Yolanda Lastra de Suárez (Mexico) and Wolfgang Wölk (United States).

27 June. 9:00 a.m. Chairman: Wolfgang Wölk. “Sociolinguistics as a resource in language planning,” Paul Garvin (United States); “Multilingualism and its social context,” speaker to be announced (Peru); “From monolingualism to bilingualism: Educational planning in indigenous areas,” Gloria Ruiz de Bravo Ahuja...
Psychodyslectics and Addiction

Arranged by Wallace L. Guess (United States) and Oscar Domínguez Vargas (Mexico).

28 June. 9:00 a.m. “Psychodyslectics.” Cochairmen: E. A. Carlini (Brazil) and José Carranza-Acevedo (Mexico). Introduction to session, José Carranza-Acevedo; “Botany of Cannabis sativa,” Maynard W. Quimby (United States); “Chemical analysis of Cannabis sativa of distinct origin,” Carlton E. Turner (United States); “Metabolism of cannabis in man,” Solomon H. Snyder (United States); “Aggressiveness caused by cannabis,” E. A. Carlini; “Cannabis as a psychodysleptic,” José Carranza-Acevedo; “Enzymatic changes caused by cannabis,” Bertha G. Ortega (Mexico); discussions of papers.

29 June. 9:00 a.m. “Addiction to Narcotics.” Cochairmen: Harold T. Conrad (United States) and Uriel Estrada Robles (Mexico). Introduction to session, Uriel Estrada Robles; “Pharmacological adjuvants in the treatment of opiate dependents.” Richard B. Resnick (United States); “Analgesic properties of narcotic antagonists.” Rodolfo Rodríguez Carranza (Mexico); “Narcotic antagonists and physical dependence.” Julián Villarreal (Mexico); “Self-administration and drug dependence,” Uriel Estrada Robles; “Hospital treatment and rehabilitation,” Harold T. Conrad; discussion of papers.

Anthropology Applied to Health Programs

Arranged by Arthur Rubel (United States) and Luis Alberto Vargas (Mexico).

29 June. 9:00 a.m. Chairman: Luis Alberto Vargas. “Use of infant growth patterns based on long-term studies of healthy children,” Johanna Faulhaber (Mexico); “Social tasks that affect the growth of children in Oaxaca,” Robert M. Malina (United States); “Application of paleopathological studies to modern medicine,” Carlos Serrano (Mexico); “Application of somatotype studies to preventive medicine,” Luis Alberto Vargas.

30 June. 9:00 a.m. Chairman: Rolando Collado (Mexico). A joint study will be presented by the Grupo de Antropología Medica and some Mexican public health institutions on the actual and potential uses of anthropology in Mexican health programs.

Health and Illness, Birth and Death: The Cultural Context for Bio-Medical Intervention

Arranged by Daniel Callahan (United States) and Ramón de la Fuente (Mexico).

29 June. 9:00 a.m. Chairman: Ramón de la Fuente. “Health and illness in technological societies,” David Mechanic (United States); “Health and illness in transitional societies.” Antonio Ordóñez-Plaja (Colombia).

30 June. 9:00 a.m. Chairman: Daniel Callahan. “Health and illness in primitive...
societies,” Stanley Diamond (United States). Panel discussion: Renee C. Fox (United States), Carlos Gual (Mexico), Amitai Etzioni (United States), and Robert Q. Marston (United States).

30 June. 9:00 a.m. Chairman: Carlos Gual. “Changing attitudes toward birth and children in Mexico,” Pablo Pindas (Mexico); “Children and family in the United States,” Robert Coles (United States); “Attitudes toward the defective newborn,” John Fletcher (United States). Panel discussion: Rafael Velasco Fernández (Mexico), Robert Michels (United States), and Robert Murray (United States).

3:00 p.m. Chairman: Willard Gaylin (United States). “Care of terminal patients in the United States,” Eric Cassell (United States); “Octavio Paz: use of the symbol of death as a key to the Mexican family,” Emir Rodríguez Monegal (United States); “The use of technology to prolong life: Some mental hygiene issues,” Luis Weinstein (Chile). Panel discussion: William F. May (United States), Ramon Parres (Mexico), Alfonso Millán (Mexico), and Manuel Quijano (Mexico).

Family Planning

Arranged by Carlos Campillo Saenz (Mexico) and Benjamin Viel (United States).

29 and 30 June. Topics in economic, social, and medical implications; progress in birth control and intrauterine devices; progesterone liberation systems; family planning and responsible paternity; and so forth. Detailed listing of topics and speakers will be published at a later date.

Aerobiology of Diseases, Pests, and Allergens in the Western Hemisphere

Arranged by Lucas Calpouzos (United States) and Armando Campos (Mexico).

2 July. 9:00 a.m. “The Aerobiology of Plant Diseases and Pests.” Chairman: Robert L. Edmunds (United States). “Aerobiology in the Western Hemisphere,” Robert L. Edmonds; “Aerial transport of peanut rust spores,” Eugene P. Van Arsdale (United States); “Aerial transport of coffee rust spores in Brazil,” Joao A. Martínez (Brazil); “The aerobiology of wheat rusts in the Western Hemisphere,” S. Rajaram (Mexico); “The aerobiology of pests in the Western Hemisphere,” Michael D. Atkins (United States).


Environmental Health in the Americas

Arranged by Arend Bouhuys (United States), Luis Cañedo (Mexico), and Alberto Hurtado (Peru).

3 July. 9:00 a.m. “Man in the Environment.” Chairman: Arend Bouhuys. “Man at high altitude,” Alberto Hurtado; “Physiological mechanisms of adaptation to cold,” Oliver Héroux (Canada); “Work in hot climates,” N. B. Strydom (Republic of South Africa); “Air pollution,” Sheldon K. Friedlander (United States). Panel discussions: additional participants: Hugo Donoso (Chile), R. Lefrançois (France), Lawrence A. Plume (United States), Jan A. J. Stobwijk (United States), and Nelson Nefussi (Brazil).

3:00 p.m. “Environmental Lung Disease.” Chairman: Alberto Hurtado. “Relationship between tobacco smoking and pulmonary disease in the Caribbean,” George J. Miller (United Kingdom); “Health hazards of asbestos inhalation in industry,” Hernan Oyanuren M. (Chile); “Lung disease in steel workers,” Santiago F. Bó (Argentina); “Environmental lung disease in cotton and hemp workers,” Vicente López Merino (Spain). Panel discussion; additional participants: Arend Bouhuys, Ricardo Haddad (Peru), Blanca R. Ordonez (Mexico), and John M. Peters (United States).
4 July. 9:00 a.m. "Epidemiology and Health Care." Chairman: Abraham Horwitz (United States); "First epidemiological survey of Chagas' disease in Bolivia," Richard D. Stewart (United States); "Exposures to inhalants in the home," Eugenia Zuzkin (Yugoslavia); "Rural health care in Mexico," Luis Cañedo; "The new epidemiology," Arend Bouhuys. Panel discussion; additional participants: Douglas H. K. Lee (United States), Roberto Weber (Brazil), and Reuel A. Stallones (United States).

3:00 p.m. "Approaches to Solutions." Chairman: Luis Cañedo. "Manpower for environmental health programs," Reuel A. Stallones; "Autopharmacology in relation to environmental health," Mauricio Rocha e Silva (Brazil); "Education of environmental health professionals," William T. Jones (England); "Engineering solutions to environmental health problems," Walter Engracia Olivera (Brazil). Panel discussion; additional participants: Douglas H. K. Lee, Gustavo Rivas Mijares (Venezuela), and Max J. Miller (United States).

Behavior and Violence

Arranged by Berenice A. Carroll (United States), Santiago Genovés (Mexico), and John P. Scott (United States).

4 July. 9:00 a.m. "Biological Sources of Violence." Chairman: Santiago Genovés. "Genetic factors in aggression," Benson Ginsburg (United States); "Hormones and fighting," Frank H. Bronson (United States); "Human emotional behavior induced by deep electrical brain stimulation," Augusto Fernández (Mexico); "Surgical and psychological treatment of excessive violence," Karl Pribram (United States); "Cultural vs. biological evolution of violent behavior," Ralph Holloway (United States).

3:00 p.m. "Development of Violent Behavior and Institutional Causes of Violence." Chairman: J. P. Scott. "The influence of violence on child behavior," Jorge M. Velasco (Mexico); "Television violence: An examination one year after the Surgeon General's report," Eli Rubenstein (United States); "Children's coping with violence," Rogelio Díaz Guerrero (Mexico); "The subcultures of violence and social class as determinants of interpersonal violence," Sandra Ball Rokeach (United States); "Institutional violence," John Saxe-Fernández (Mexico); "Biology and law, with special reference to violence," R. Tamayo, D. Pantoja, and R. González (Mexico); conclusion and summary, J. P. Scott.

Additional speakers and topics are scheduled for the afternoon of 2 and 3 July.

RESOURCES—ENERGY—PHYSICAL SCIENCES

Symmetry in Nature

Arranged by Marcos Moshinsky (Mexico).

20 June. 3:00 p.m. "Concepts of symmetry," E. P. Wigner (United States); "Symmetry and cosmology," J. A. Wheeler (United States); "Symmetry and elementary particles," C. N. Yang (United States).

21 June. 9:00 a.m. "Symmetry in condensed matter," P. G. de Gennes (France); "Symmetry in chemistry," S. A. Matsen (United States); "Symmetry in biology," Dorothy Hodgkins (Great Britain).

Archaeoastronomy in Pre-Columbian America

Arranged by Anthony F. Aveni (United States) and Horst Hartung (Mexico).

20 June. 9:00 a.m. Chairman: Anthony F. Aveni. "Mesoamerican archaeoastronomy," Michael D. Coe (United States); "The astronomical record in Chaco Canyon, New Mexico, U.S.A.,” R. A. Williamson, A. F. Williamson, H. J. Fisher, and C. Cochran (United States); "The Pueblo sun-moon-star calendar in the southwestern United States (United States); "American Indian interest in the sky indicated in legend, rock art, ceremonial and modern art," Von Del Chamberlain (United States); "Early Navajo astronomical pictographs in Canyon de Chelly, northeastern Arizona, U.S.A.,” Claude Brit, Jr. (United States); "An astronomical interpretation of the four ball-court panels at Tajin, Mexico," Carmen Cook de Leonar (Mexico); "An hypothesis on astronomical observations in ancient Mesoamerica," Marion P. Hatch (United States).

21 June. 9:00 a.m. Chairman: Horst Hartung. "Astro-archaeology—the unwritten evidence," Gerald S. Hawkins (England); "Factors affecting the arrangement of Mesoamerican ceremonial centers with particular reference to astroarchaeology and magneto-archaeology," Robert Fuson (United States); Possible astronomical orientation of structures in central Mexico, Oaxaca and Yucatan," Anthony F. Aveni; "Palenque, Chiapas, Mexico: Analysis and program of an archaeological plaza recreating its cultural environment in terms of astronomical space time,” Alfonso Hurtado Serrano (Mexico); "The spectrum of time in Mesoamerica, A.D. 400–1500,” Derek J. Schove (England); "The method of defining possible reflections of astronomical observations in the pre-Columbian architecture of Mesoamerica," Horst Hartung; "The shortest day of the year at Teotihuacan,” R. David Drucker (United States); "Cognitive analysis of an arithmetic calendric Olmec mosaic c. 1200 B.C.,” Alexander Marshack (United States).

22 June. 9:00 a.m. Chairman: Robert Fuson. "Did the Mayans record comet and nova events?”, Hubert E. Harber (United States); "Astronomical implications of the Maya agricultural calendar," Harold R. Shaw (Canal Zone); "An astronomical test for Ahua equations," Franz J. Hochleitner (Brazil); "A comparison of the sighting schemes used by Old World (pre-Columbian) cultures,” Thaddeus Cowan (United States); "Symbology of the chronological-astromonical expression of the Aztecs,” Raúl Noriega (Mexico); "An attempt to interpret the astronomical meaning of the '10 pictured' intervals in the Dresden codex eclipse table using Makemson's correlation number,” Nan Owen (United States); "Possible rock art records of Crab Nebula supernova in the western United States," R. A. Williamson; "The nature and nurture of archaeoastronomical studies,” Jonathan Reyman (United States); "Mesoamerican archaeoastronomy so far,” Elizabeth C. Baity (United States).
Geodynamics

Arranged by Cinna Lomnitz (Mexico) and C. L. Drake (United States).
20 June. 3:00 p.m. “Regional Problems.” Chairman: Fernando de Almeida (Brazil). Invited papers: Pacific, Cocos, and Nasca Plates and their interactions with the American continent. Problems of continental drift may also be considered.

21 June. 9:00 a.m. “Regional Problems.” Chairman: Fernando de Almeida. Round-table discussion.

22 June. 9:00 a.m. “Driving Mechanisms of the Earth.” Chairman: David C. Tozer (United States). Invited papers.

23 June. 9:00 a.m. “Driving Mechanisms of Sea-Floor Spreading.” Chairman: David C. Tozer. Round-table discussion.

Aerial Inventory of National Resources

Arranged by Joseph P. Burns (United States) and J. Alberto Villasana L. (Mexico).
21 June. 3:00 p.m. “Importance of National Resources Inventories.” Chairman: Juan B. Puig (Mexico). “Mexico’s national inventory program,” Juan B. Puig (Mexico); “The use of color aerial photography,” speaker to be announced; “Integrated surveys, advantages and disadvantages,” Luis I. Miranda (Mexico); “Photogrammetry, a tool for resource inventory,” Angel Garcia Amaro (Mexico).

22 June. 9:00 a.m. “Land Use and Land Inventories.” Chairman: Arthur J. McNair (United States). “Earth resources inventory of Amazon Valley,” Otto B. Netto (Brazil); “Potential land use prediction,” Jorge F. Vaca (Mexico); “Operational use of remote sensing in Arizona,” Carl C. Winnika (United States) and Herbert H. Schumann (United States); “Land inventory systems,” Ronald L. Shelton (United States) and Ta Liang (United States).

23 June. 3:00 p.m. “National Inventory Programs in Latin America.” Chairman: Hans G. Ruthe (Panama). “Latest developments in orthophotography,” Teodor J. Blachut (Canada); “Rural cadastral in El Salvador,” José Ma. González (El Salvador); “Rural cadastral and land registration,” speaker from Honduras to be announced.

Volcanism in Mexico and Central America

Arranged by Robert Decker (United States), Federico Mooser (Mexico), and Richard Stoiber (United States).


3:00 p.m. “Geothermal Power.” Chairman: Federico Mooser. “Geothermal power,” Geoffrey Robson (United States); “Geothermal power in Mexico,” H. Alonso Espinoza (Mexico) and Federico Mooser; “Geothermal power in the Imperial Valley,” Robert Rex (United States); “Geology of the Cerro Prieto geothermal field, Mexico,” Arturo González (Mexico); “The Ahuachapan geothermal field, El Salvador,” Al- berto Vides (El Salvador).

23 June. 9:00 a.m. “Future Volcanological Research in Mexico and Central America.” Chairman: Richard Stoiber.

Hurricanes

Arranged by Julian Adem (Mexico) and Louis J. Battan (United States).
22 June. 3:00 p.m. Chairman: Louis J. Battan. “The importance of the inflow angle in the development of hurricanes,” Sergio Serra Castelán (Mexico); “The tropical boundary layer and hurricane formation,” Michael Garstang (United States); “Anticyclone circulation and its contribution to the development of hurricanes,” Mario Rodríguez Ramírez (Cuba); “Numerical modeling of hurricanes,” Stanley Rosenthal (United States).


Land Connections between North and South America

Arranged by Gabriel Dengo (Guatemala) and Ismael Ferrusquia (Mexico).
3 July. 3:00 p.m. Chairman: Frank...
ENVIRONMENT—THE BIOLOGICAL SCIENCES

Research in Natural Products

Arranged by Xorge Alejandro Domínguez (Mexico) and Thomas E. Taylor (United States).

25 and 26 June. Detailed listing of topics and speakers will be published at a later date.

Wildlife and Its Environments in the Americas

Arranged by Rollin H. Baker (United States) and Bernardo Villa Ramírez (Mexico).


3:00 p.m. “National Parks—Concepts and Prospects.” Chairman: Enrique Beltran (Mexico). “National parks in Mexico,” José Arreola Tinoco (Mexico); “National parks in Middle America,” Jorge Jiménez Jiménez (Costa Rica); “National parks in South America,” Italo N. Costantino (Argentina); “National parks in the Caribbean area,” Edward L. Towle (St. Thomas, United States Virgin Islands); discussion leader: Robert O. Lee (United States).

Tropical Ecosystems

Arranged by Arturo Gómez-Pompa (Mexico) and Charles R. Malone (United States).

29 June. 9:00 a.m. Chairman: Arturo Gómez-Pompa. “Reproductive methods of tropical lowland forest trees,” Kamaljit Bawa (United States); “Relationship of basic and applied entomology in the humid tropics,” Daniel H. Janzen (United States); “The storage of fertility elements in soil and vegetation as influenced by shifting cultivation,” Paul Zinke (United States).

3:00 p.m. Chairman: Arturo Gómez-Pompa. “Biotic interactions in the tropical lowlands,” Robert K. Colwell (United States); “The evolutionary importance of pollinator behavior in tropical pollination systems,” Gordon Frankie (United States); “Mangrove forests: A physiological approach,” Federico Panier (Venezuela); “An analysis of the system of slash-burn agriculture,” Efraín Hernández X. (Mexico).

30 June. 9:00 a.m. Chairman: Arturo Gómez-Pompa; “’El Ejido’ and the tropical rain forest: An ecological and social contradiction,” Víctor Toledo (Mexico); “The use of the rain forest from the forestry point of view,” Ramón Echenique (Mexico); “Seed viability and dormancy of a tropical evergreen rain forest,” Patricia Moreno (Mexico); “Study on the regeneration of high evergreen rain forests in Veracruz, Mexico,” Arturo Gómez-Pompa and C. Vázquez (Mexico).

3:00 p.m. “Conservational Use of the Rain Forests: An Impossible Goal?” Chairman: Arturo Gómez-Pompa. Discussion: Participants and others.
Some Mathematical Questions in Biology

Arranged by Jack D. Cowan (United States) and José Negrete Martínez (Mexico).

30 June. 9:00 a.m. Chairman: Jack D. Cowan. Title to be announced, Lewis Wolpert (England); “The control of development,” Anthony D. J. Robertson (United States); “A mathematical model in cellular biology,” Stephen Smale (United States); “Principles of vertebrate embryology,” René Thom (France).

3:00 p.m. Chairman: José Negrete Martínez. “The competition exclusion principle: How similar can coexisting species be?,” Robert May (United States); “A theory for cooperative activity in nervous tissue,” Jack D. Cowan; “Computer languages relating to biological theories,” Seymour Papert (United States); “Mathematical education for life scientists.” Panel discussion, José Negrete Martínez.

Science and Technology of Range Management in the Socio-Economic Development of the American Continent

Arranged by Martín H. González (Mexico) and Harold F. Heady (United States).

30 June. 9:00 a.m. Introduction, Harold Heady. “Ecology and cattle raising in the semidesert of Patagonia, Argentina,” Jorge M. Brun (Argentina);

“Aquaculture in the Americas

Arranged by Oswald A. Roels (United States), John Ryther (United States), and Henry J. Schafer (Mexico).

2 July. 9:00 a.m. Chairman: Oswald A. Roels. “Seaweed mariculture,” Arthur C. Mathieson (United States); “The culture of the mussel Perna perna and the mangrove oyster Crassostrea rhizophorae in Venezuela,” Enrique Mandelli (Venezuela); “Cage culture of scallops,” Michael Castagna (United States); “Crustacean aquaculture in Middle America,” Harold H. Webber (United States). Panel discussion; leader: Henry Schafer; panel members: Arthur C. Mathieson, Enrique Mandelli, Michael Castagna, Harold H. Webber, and Oswald A. Roels.

12:30 p.m. Luncheon address: “The potential contribution of aquaculture to the development of the Americas,” B. Quintana (Mexico).

3:00 p.m. Chairman: Henry J. Schafer. “Institutional constraints to the development of aquaculture,” Fernando Fournier (Costa Rica) and Burton A. Landy (United States); “Salmon cage culture,” Anthony Novotny (United States); “The economics of aquaculture in the Americas,” Simon Williams (Mexico). Panel discussion; leader: John Ryther; panel members: Fernando Fournier, Burton A. Landy, Anthony Novotny, Simon Williams, and Oswald A. Roels.

Human Dwellings: The Problems of Today, the Solutions of the Future

Arranged by Donald Conway (United States), Aristide H. Esser (United States), and Roberto Eibenschutz (Mexico).

2 July. 9:00 a.m. “The Process of Urban Settlements.” Speakers: Roberto Eibenschutz (Mexico); Donald Hanson (United States), Guadalupe Rivera de Marin (Mexico), Luis Unikel (Mexico), Samuel A. Sloan (United States), and Aristide H. Esser (United States).

3:00 p.m. “Urban Structure: Space, Land Use and Transportation.” Speakers: Rubén Dario Utria (Chile); Thomas Callaway (United States), Julio Garcia Coll (Mexico), Guillermo Cortés Melo (Mexico), Fernando Sepulveda (Mexico), Donald Grant (United States), and Edwin Willems (United States).

3 July. 9:00 a.m. “The Legal and Institutional Problems.” Speakers: Jorge Hardoy (Argentina); Stuart Sanderson (United States), Andrés Alarcón Segovia (Mexico), Daniel Vásquez (Mexico), Joaquín Alvarez (Mexico), and Amos Rapaport (United States).

3:00 p.m. “Housing.” Speakers: José Ma. Gutiérrez (Mexico), Mauricio Knobel (Argentina), Ruben Vaz da Costa (Brazil), Estefanía Chávez de Ortega (Mexico), Michel Autochin (Mexico), Don Conway (United States), and Alton De Long (United States).

Development of Arid Lands

Arranged by Braulio Fernández Aguirre (Mexico) and Warren Hall (United States).

3 and 4 July. Topics in living conditions, population distribution, natural resources, water inventory, agriculture, livestock, and so forth.

Detailed listing of topics and speakers will be published at a later date.

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TECHNOLOGY

Transfer of Technology

Arranged by Jordan Baruch (United States) and Miguel S. Wionczek (Mexico).

20 June. 3:00 p.m. “Economic Impact of Technological Change.” (a) “In developed countries,” Anne Carter (United States); (b) “In less developed countries,” Jorge A. Katz (Argentina); commentators: José Campillo Sainz (Mexico), Alejandro Nadal (Mexico), and Jack Baranson (United States).

21 June. 9:00 a.m. “Social Impact of Current Rate of Technological Change.” (a) “In developed countries,” speaker to be announced; (b) “In less developed countries,” speaker to be announced; commentators: Francisco Sagasti (Peru), Mauricio de María y Campos (Mexico), and James Mecheam (United States).

3:00 p.m. “Current Vehicles of Technological Trade—I”; (a) “Transactions in multinational companies,” Robert B. Staubach (United States); commentators: Ronald Müller (United States) and David Ben Daniel (United States); (b) “Imports of capital goods,” Krishna R. Singh (India); commentators: to be announced; Gerardo Bueno (Mexico).

22 June. 9:00 a.m. “Current Vehicles of Technological Trade—II”; (a) “The international patent system,” Mark S. Massel (United States); commentators: Constantino Vaitos (Peru) and Thomaz Thehind Lobo (Brazil); (b) “Licensing and technical support,” Enrique Aguilar (Mexico); commentators: Marcus Finnegan (United States) and Carlos Bazdrewich (Mexico).

3:00 p.m. “Determinants of Technological Policy—I”; (a) “The educational system,” K. Kojima (Japan); commentators: to be announced; Rodrigo Medellín (Mexico); (b) “Entrepreneurial development,” Gerardo Bueno; commentators: Helio Jaguaribe (Brazil), Alan Frohman (United States), and Máximo Haly Carrere (United States).

23 June. 9:00 a.m. “Determinants of Technological Policy—II”; (a) “Structure of the private sector,” Carlos Bazdrewich (Mexico); commentators: Jorge Babato (Argentina) and Michael Michaelis (United States); (b) “Governmental actions—experiences of the Andean group,” Constantino Vaitos (Peru); commentators: Luisa María Leal (Mexico).

Information Requirements for Innovation in Industry

Arranged by Scott Adams (United States) and Guillermo Fernández de la Garca (Mexico).

25 June. 9:00 a.m. Chairman: Guillermo Fernández de la Garca: Introduction, “Opportunities for new solutions to old problems,” Scott Adams; “Information for industrial innovation: The Mexican experience,” José Ignacio Bollivar (Mexico); “Information programs for technology transfer: The United States,” Robert D. Shriver (United States); “Model information systems for industrial innovation,” David Liston (United States); discussion.

3:00 p.m. Chairman: Scott Adams. “Information systems for industrial innovation: Practical problems,” Angela Pompeu (Brazil) and José Quevedo (Mexico); “Information systems for industrial innovation: Case studies,” José Giral B. (Mexico) and María Angélica Moreno (Chile) discussion; “Use of patent information in industry: Some Mexican experiences,” María del Carmen Alvarado (Mexico); summary and conclusions, Guillermo Fernández de la Garca.

Summaries of Mexico City Meeting Symposia
