

THE LAWSON WILKINS PEDIATRIC ENDOCRINE SOCIETY
Fourth Annual Meeting
April 27, 1976
Chase-Park Plaza Hotel, St. Louis, Mo.

- 8:30-9:10 AM Presidential Address: Melvin M. Grumbach
- 9:10-10:30 AM Role of the Autonomic Nervous System in the Modulation
of Hormonal Secretions.
The Moderator: Ian M. Burr, M.D., M.B.B.S.(Melbourne)
Guest Speaker: Lawrence Frohman, M.D.
- 10:30-10:40 AM Intermission
- 10:40-12:00 Noon Perinatal Thyroid Physiology-Relevance to Thyroid
Disorders of the Newborn
Moderator: John F. Crigler, Jr., M.D.
- 12:00 Noon - 1:30 P.M. Lunch
- 1:30-2:50 PM Hormonal Control of Testicular Function
Moderator: Alfred M. Bongiovanni, M.D.
- 2:50-3:00 PM Intermission
- 3:00-4:20 PM Etiology of Diabetes Mellitus
Moderator: Arlan L. Rosenboom, M.D.
Guest Speaker: Marvin D. Siperstein, M.D., Ph.D.
- 4:30-5:30 PM Business Meeting

AMERICAN SOCIETY OF PEDIATRIC NEPHROLOGY
Eighth Annual Meeting
April 27, 1976
Chase-Park Plaza Hotel, St. Louis, Mo.

- 8:30 Developmental Nephrology and Perinatal Medicine
 Chester M. Edelmann, Jr., M.D.
- 8:50 Renal Control of Sodium Balance in the Neonate
 Adrian Spitzer, M.D.
- 9:30 Net Acid Balance in the Neonate
 William C. Heird, M.D.
- 10:10 Intermission
- 10:30 Calcium, Parathormone, Vitamin D and Tetany of the Newborn
 Constantine S. Anast, M.D.
- 11:10 Renal Pharmacology in the Newborn
 Jerry B. Hook, Ph.D.
- 11:50 Renal Failure in the Newborn
 Malcolm A. Holliday, M.D.
- 12:30 Lunch
- 2:00 Simultaneous Symposia
- A. Renal Control of Sodium Balance in the Neonate
1. Regulation of Sodium Homeostasis During
 Intrauterine Life - Eddie Moore, M.D.
2. Development of Sodium Homeostasis in Premature
 Babies - Billy Arant, M.D.
3. Relation Between Gestational Age and Sodium
 Balance - William Oh, M.D.
- B. Net Acid Balance in the Newborn
1. Development of the Ammonia Secretory Mechanism -
 Leon Goldstein, M.D.
2. Renal Acidification in the Lamb in Utero -
 Sahla Daniel, M.D.
3. Net Acid Balance in Premature Infants with
 R.D.S. - Tom Anderson, M.D.

C. Calcium, Parathormone, Vitamin D and Tetany of the Newborn

1. Placental Calcium Transport - Ingebord Radde, M.D.
2. Renal Handling of Calcium and Phosphorus in the Neonate - Ted Groshong, M.D.
3. Parathyroid Studies in the Neonate - Reginald Tsang, M.D.
4. Treatment of Neonates with Early Hypocalcemia with 25 OHD₃ - Alan Fleischman, M.D.
5. Vitamin D Studies in the Neonate - L. Hillman, M.D.

D. Renal Pharmacology in the Newborn

1. Substrate Stimulation: A Pharmacological Approach to Renal Transport in the Newborn - Jerry B. Hook, M.D.
2. Maturation and Stimulation of Organic Acid Transport in Vivo - John E. Lewy, M.D.
3. Influence of Anesthetics on Renal Function in the Newborn - Michael D. Bailie, M.D.
4. Responses to Furosemide in Immaturity - A. W. Pruitt, M.D.

E. Renal Failure in the Newborn - Participants to be Announced.

4:30

Business Meeting

THE AMERICAN PEDIATRIC SOCIETY

and

THE SOCIETY FOR PEDIATRIC RESEARCH

Combined

Program and Abstracts

The Chase-Park Plaza Hotel

St. Louis, Missouri

April 28-30, 1976

THE AMERICAN PEDIATRIC SOCIETY
86th Annual Meeting

OFFICERS

President	Edward L. Pratt
Vice-President	Gilbert B. Forbes
Secretary-Treasurer	David Goldring
Recorder (Editor)	Floyd W. Denny

COUNCIL

Mary Ellen Avery, Chairman

Eleanor Colle	Philip R. Dodge
C. Henry Kempe	Joseph Dancis
Moses Grossman	Paul G. Quie

IN MEMORIAM

Frederic M. Kenny
Max Seham

THE SOCIETY FOR PEDIATRIC RESEARCH
46th Annual Meeting

OFFICERS

President	Charles R. Scriver
President-Elect	Frederick C. Battaglia
Vice-President	Joseph W. St. Geme, Jr.
Secretary-Treasurer	Jo Anne Brasel

COUNCIL

Victor Chernick	Michael A. Heymann
Sanford N. Cohen	Frank A. Oski
Max D. Cooper	Alan M. Robson

Joseph B. Warshaw, Membership Secretary

RECIPIENTS OF THE
JOHN HOWLAND AWARD

(Presented by The American Pediatric Society)

1952	Edwards A. Park	1964	Samuel Z. Levine
1953	Grover F. Powers	1965	John Caffey
1954	Bela Schick	1966	L. Emmett Holt, Jr.
1955	James L. Gamble	1967	Martha M. Eliot
1956	Harold K. Faber	1968	Paul Gyorgy
1957	Ethel C. Dunham	1969	Allan M. Butler
1958	Irvine McQuarrie	1970	Josef Warkany
1959	Daniel C. Darrow	1971	Helen B. Taussig
1960	Bronson Crothers	1972	Waldo E. Nelson
1961	Rustin McIntosh	1973	Louis K. Diamond
1962	Joseph Stokes, Jr.	1974	Albert B. Sabin
1963	Lawson Wilkins	1975	Harry H. Gordon
		1976	Clement A. Smith

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1976 ANNUAL PEDIATRIC MEETINGS

<p>WEDNESDAY April 28 9:00 AM</p> <p>APS Presidential Address + Plenary Session</p> <p>Khorassan Room</p> <p>p. 261</p>	<p>THURSDAY April 29 9:00 AM</p> <p>Subspecialty Sessions I</p> <p>p. 262</p>	<p>FRIDAY April 30 9:00 AM</p> <p>Subspecialty Sessions II</p> <p>p. 266</p>
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BUSINESS MEETINGS
(Members Only)

AMERICAN PEDIATRIC SOCIETY: 5:30 P.M., Wednesday, April 28, Chase Club

SOCIETY FOR PEDIATRIC RESEARCH: 8:00 A.M., Thursday, April 29, Chase Club
5:30 P.M., Thursday, April 29, Chase Club

SUBSPECIALTY SESSION SCHEDULE
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Thursday, April 29, 9:00 A.M.

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Subspecialty Session III
Friday, April 30, 2:00 P.M.

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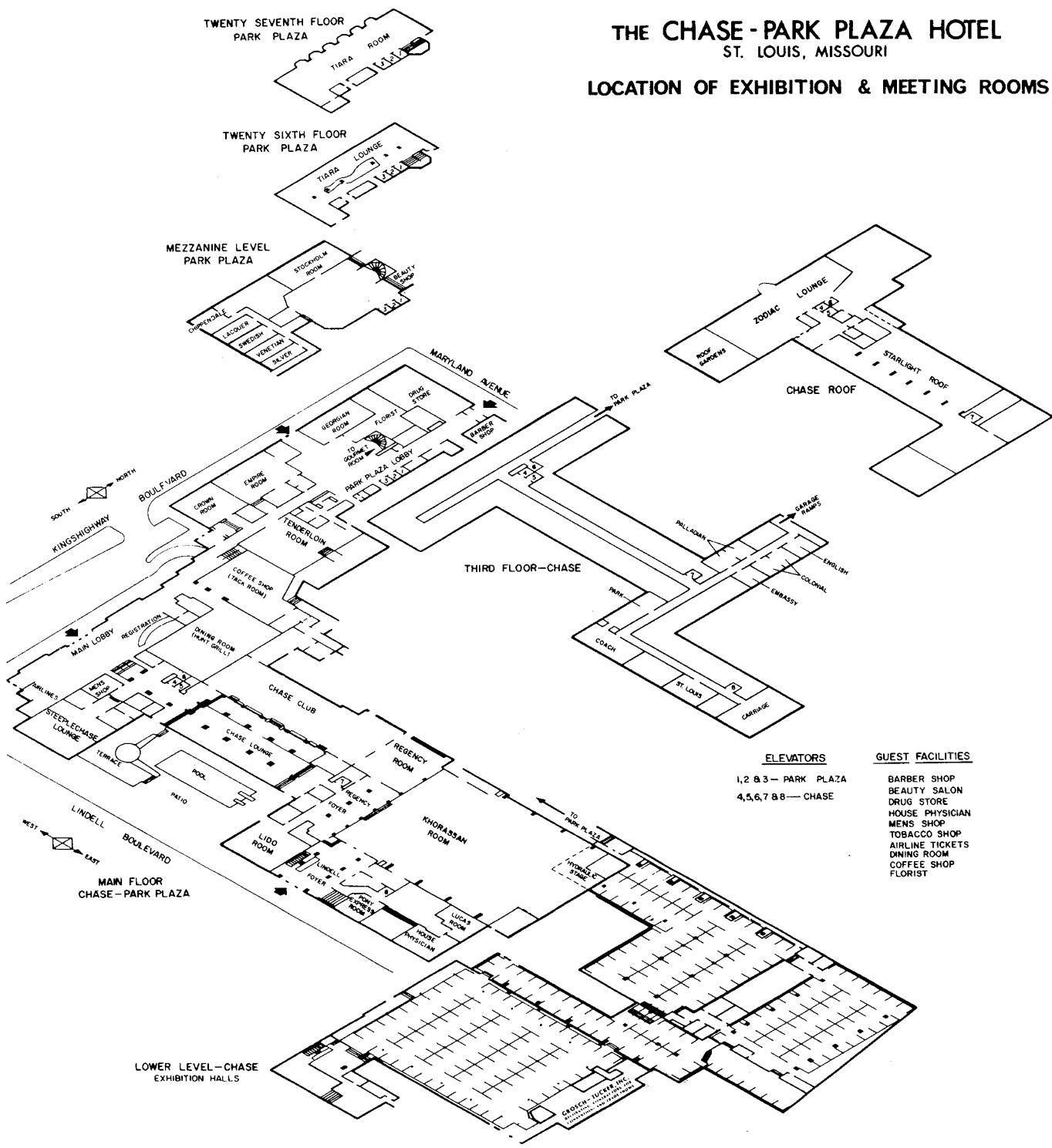
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THE CHASE - PARK PLAZA HOTEL

ST. LOUIS, MISSOURI

LOCATION OF EXHIBITION & MEETING ROOMS



THE AMERICAN PEDIATRIC SOCIETY

April 28, 1976, 9:00 A.M.

Khorassan Room

Presidential Address: Edward L. Pratt

PLENARY SESSIONS

MODERATOR: Gilbert B. Forbes

9:30 INFANT AND PRESCHOOL DEVELOPMENTAL TESTING AND LATER SCHOOL PERFORMANCE. William J. van Doorninck, Nathan P. Dick, William K. Frankenburg, Theresa N. Liddell, and John M. Lampe. University of Colorado School of Med. (47)

9:50 HYPERALDOSTERONISM AND ALDOSTERONE ANTAGONISTS IN CONGESTIVE HEART FAILURE (CHF) AND COR PULMONALE (CP) IN INFANCY. Barry Baylen, Gregory Johnson, Reginald C. Tsang, Laxmi Srivastava, and Samuel Kaplan. University of Cincinnati, Children's Hospital, Dept. of Ped. Cincinnati. (60)

10:10 INTERMISSION

10:20 EFFECTS OF TOTAL PARENTERAL NUTRITION ON BRAIN GROWTH OF BEAGLE PUPPIES. W. C. Heird, M. A. Bieber, J. Bassi, A. R. Pulito and J. A. Brasel. Columbia University College of Physicians and Surgeons, Depts. of Ped. and Inst. of Human Nutr., N.Y. (135)

10:40 CLINICAL, LABORATORY, EPIDEMIOLOGICAL FEATURES OF A RECENTLY RECOGNIZED VIRAL ENTERITIS. Susan Tallett, Benny Kerzner, Carrie MacKenzie, Peter Middleton and Richard Hamilton, (Spon. by H. W. Bain). Res. Inst., Hosp. for Sick Children, Depts. of Ped., and Microbiol., Univ. of Toronto. (295)

11:00 EFFECT OF DIETARY PROTEIN LEVEL ON FAT ABSORPTION. William C. MacLean, Jr., Guillermo Lopez de Romaña and George G. Graham. Johns Hopkins Univ. Sch. Med. (Ped.), Sch. Hygiene & Public Health (Internat. Hlth.), Baltimore. (336)

11:20 NEURAL TUBE DEFECTS (NTD) AND FALSE POSITIVE/NEGATIVE ALPHA-FETOPROTEIN (AFP) RESULTS. Aubrey Milunsky and Elliot Alpert. Harvard Med. School, E. Kennedy Shriver Center, Mass. General Hosp., Dept. of Ped. and Med., Boston. (708)

11:40 THE TELEPHONE IN REGIONAL NEWBORN CARE. Paul H. Perlstein, Neil K. Edwards and James M. Sutherland. Univ. of Cincinnati Col. of Med., Dept. Ped., Cincinnati. (777)

THE AMERICAN PEDIATRIC SOCIETY

April 28, 1976, 1:45 P.M.

Khorassan Room

PRESENTATION OF THE HOWLAND AWARD TO CLEMENT A. SMITH BY MARY ELLEN AVERY

2:45 NEBULIZED RACEMIC EPINEPHRINE ADMINISTERED BY INTERMITTENT POSITIVE PRESSURE BREATHING (IPPB) MORE EFFECTIVE THAN NEBULIZED SALINE BY IPPB IN THE TREATMENT OF CROUP. A DOUBLE BLIND CONTROLLED STUDY. C. Ross Westley, John G. Brooks, and Ernest K. Cotton. University of Colorado School of Med., Dept. of Ped., Denver.

3:05 INTERMISSION

THE SOCIETY FOR PEDIATRIC RESEARCH

PLENARY SESSION

Khorassan Room

MODERATOR: Charles R. Scriver

3:30 GLUCOSE PRODUCTION RATES IN INFANCY AND CHILDHOOD. Dennis M. Bier, Rosemary D. Leake, Kenneth J. Arnold, Morey Haymond, Larry D. Gruenke, Mark A. Sperling, and David M. Kipnis. University of California, San Francisco and Los Angeles, Harbor General Hospital Campus; and Washington University School of Med., Depts. of Ped. and Med., St. Louis. (628)

3:35 THYROID FUNCTION IN NEONATAL HYPOTHYROIDISM. Jean H. Dussault, Jacques Letarte, Harvey Guyda, Delbert A. Fisher, and Claude Laberge. C.H.U.L., Quebec Network for Genetic Med., Quebec, and U.C.L.A., Dept. of Ped., California. (221)

3:50 ENZYME REPLACEMENT THERAPY FOR ADENOSINE DEAMINASE DEFICIENCY AND SEVERE COMBINED IMMUNODEFICIENCY DISEASE. Stephen H. Polmar, Robert C. Stern, Alan L. Schwartz, and Rochelle Hirschhorn. Case Western Reserve University, Depts. of Ped. and Pharmacol., Cleveland, and New York University, Dept. of Med. (548)

4:05 THE IMMUNOLOGIC CONTROL MECHANISM FOR TOXIGENIC DIARRHEA. W. Allan Walker and Ai-Lien Wu. Harvard Med. School, Mass. Gen. Hosp., Ped. GI Unit, Boston. (361)

4:20 THE ULTRASTRUCTURE OF THE GLOMERULAR SLIT DIAPHRAGM (SD) DURING PROTEINURIA IN AUTOLOGOUS IMMUNE COMPLEX NEPHRITIS (AIC). E.E. Schneeberger. and W. E. Grupe. Children's Hosp. Med. Center, Boston. (853)

4:35 LUNG MATURITY, INTRAUTERINE GROWTH, NEONATAL ASPHYXIA AND SHOCK AND THE RISK OF HYALINE MEMBRANE DISEASE. Roderic H. Phibbs, John A. Clements, Robert K. Creasy, George A. Gregory, Joseph A. Kitterman, Mureen A. Schleuter, and William H. Tooley. Depts. of Ped. and Cardiovascular Research Institute, University of California, San Francisco. (990)

4:50 A GENETIC STUDY OF HL-A IN JUVENILE DIABETES MELLITUS. John F. Nicholson, Pablo Rubinstein, and Nicole Suciu-Foca, Columbia University, College of Physicians & Surgeons, and The New York Blood Center. (411)

THE SOCIETY FOR PEDIATRIC RESEARCH

April 29, 1976 1:30 PM

Khorassan Room

VOYAGES TO DISCOVERY

1:30	Presidential Address Charles R. Scriver	Genetics
2:15	Hector F. DeLuca	Vitamin D & Rickets
2:55	Mary Ellen Avery	The Newborn Lung

3:35 INTERMISSION

3:45	George F. Cahill	Insulin
4:25	Robert W. Winters	Infant Nutrition

The Society for Pediatric Research acknowledges the generous support of the Journal of Pediatrics Educational Program for this special session.

THE AMERICAN PEDIATRIC SOCIETY
and
THE SOCIETY FOR PEDIATRIC RESEARCH
SPECIALTY SESSIONS

April 29 and 30, 1976
Behavioral Sciences and Health Studies
April 29, 1976, 9:00 A.M.
Empire Room

Moderators: Joseph M. Garfunkel and Margaret C. Heagarty

1. 9:00 PARENTING BY NON-PARENTS. M. Sokal, C. Sia, S. Sokal, R. G. Harper, Depts. of Ped. & Ob.-Gyn., Cornell Univ. Med. Coll., New York (Spon. by F. Lifshitz). (44)

2. 9:15 FATHER INFANT INTERACTION. Michael W. Yogman, Suzanne Dixon, Edward Tronick, Lauren Adamson, Heidelise Als, and T. Berry Brazelton. Harvard Med. School, Dept. of Ped. Children's Hospital Med. Center, Boston. (53)
3. 9:30 MOTHER'S SPEECH TO HER TWO-YEAR OLD, ITS EFFECT ON SPEECH AND LANGUAGE COMPREHENSION AT 5 YEARS. Norma Ringler, Mary Anne Trause, Marshall Klaus, Case Western Reserve University, Depts. of Ped. & Speech Communication, Cleveland. (38)
4. 9:45 PREDICTION AND PREVENTION OF CHILD ABUSE. Jane D. Gray, Christy A. Cutler, Janet Dean, C. Henry Kempe, University of Colorado Med. School, Colorado General Hospital, Dept. of Ped., Denver. (16)
5. 10:00 A CONTROLLED STUDY OF PRESCHOOL CHILDREN OF HEROIN ADDICTS - THEIR GROWTH, DEVELOPMENT AND BEHAVIOR. Geraldine S. Wilson and Richard McCreary (Spon. by Murdina M. Desmond). Baylor Col. of Med., Dept. of Ped. & Inter-Agency Program for Multiple-Handicapped Children, Houston. (50)

10:15 INTERMISSION

6. 10:30 THE ROLES OF BEHAVIOR AND ENVIRONMENT IN CHILDHOOD LEAD ACCUMULATION. Marybeth Gillette, Betty Jo McGrade, Martha L. Lepow. Univ. of Ct. Hlth. Ctr., Schl. of Med., Dept. Peds., Farmington, Ct. (15)
7. 10:45 STIMULANT-RELATED STATE-DEPENDENT LEARNING IN HYPERACTIVE CHILDREN. Marcel Kinsbourne, Wendy Roberts, and James Swanson. Neuropsychology Research Dept. The Hospital for Sick Children, Toronto, Ontario. (24)
8. 11:00 MORAL REASONING, ATTITUDES ABOUT TREATMENT OF CRITICALLY ILL PATIENTS, AND PERFORMANCE IN PEDIATRIC RESIDENTS. Charles D. Cook, Downstate Med. Center, Brooklyn; Mark Barga, T. Joseph Sheehan, Susan R. Husted, Gary Kasey. Univ. of Conn. Health Center, Farmington and Dan Candee, Harvard Univ., Cambridge. (10)
9. 11:15 FACTORS DETERMINING PEDIATRICIANS' ATTITUDES TO SURGERY IN DOWN'S SYNDROME AND MENINGOCELE. I. David Todres, Diane Krane, Mary C. Howell, Daniel, C. Shannon. Harvard Med. School, Mass. General Hospital, Children's Service, Boston. (45)
10. 11:30 DOES TEAM ORGANIZATION AND OUTREACH EFFECT OUTCOME? A COMPARISON OF THREE NEIGHBORHOOD HEALTH CENTERS. O. Mathieu, E. Charney, B. Pless, B. Satterwhite. Univ. of Rochester, N.Y., Dept. of Ped., OPD 4, Boston City Hospital, Boston. (32)

CARDIOLOGY

First Session

April 29, 1976, 9:00 A.M.
Regency Room

Moderators: Samuel Kaplan and William F. Friedman

1. 9:00 MEDICAL MANAGEMENT OF SYMPTOMATIC DUCTUS SHUNTS IN SMALL PRETERM INFANTS. R. Cotton, I. Kovar, Z. Catterton, U. Selstam, D. Cordell, T. Graham, M. Stahlman. Vanderbilt University School of Med., Dept. of Ped., Nashville. (63)
2. 9:15 PROSPECTIVE NATURAL HISTORY OF PDA IN PREMATURE INFANTS. Robert L. McGrath, Gaïl A. McGuinness, Gary L. Way, Michael A. Simmons, Robert R. Wolfe, James J. Nora. Univ. of Colorado Med. Sch., Dept. of Ped., Denver. (82)
3. 9:30 LIGATION OF PATENT DUCTUS ARTERIOSUS (PDA) IN HYALINE MEMBRANE DISEASE (HMD): A CONTROLLED STUDY. D. Vidyasagar, T. N. K. Raju, E. Fisher, A. Hastreiter, S. Levitsky, E. Bennett, Abraham Lincoln Sch. of Med., U. of Ill. Hosp., Depts. Ped., C.V. Surg., Anesthesiology, Chicago. (112)
4. 9:45 PHARMACOLOGIC CLOSURE OF PATENT DUCTUS IN THE PREMATURE. William F. Friedman, Michael J. Hirschklau, Paul T. Pitlick, Stanley E. Kirkpatrick, Dept. of Ped., Univ. of Calif., San Diego. (69)
5. 10:00 DILATATION OF THE DUCTUS ARTERIOSUS IN INFANTS WITH PULMONIC ATRESIA. Michael A. Heymann, Abraham M. Rudolph, Univ. of California San Francisco, Dept. of Ped., San Francisco. (75)
- 10:15 INTERMISSION
6. 10:30 RIGHT VENTRICULAR ISOVOLUMIC CONTRACTION PERIOD IN CONGENITAL HEART DISEASE. Gregory L. Johnson, Richard A. Meyer, Joan Korfhagen, Samuel Kaplan. Univer. of Cincinnati, Children's Hospital, Dept. of Ped., Cincinnati. (78)
7. 10:45 LEFT VENTRICULAR FUNCTION IN CHILDREN WITH CONGESTIVE CARDIOMYOPATHY. Howard P. Gutgesell, Marc Paquet, Desmond F. Duff, Dan G. McNamara. Dept. of Ped., Baylor College of Med. and Texas Children's Hosp., Houston. (74)
8. 11:00 ECHOCARDIOGRAPHIC FEATURES OF TOTAL ANOMALOUS PULMONARY VENOUS DRAINAGE IN THE NEONATE. Robert Solinger, Francisco Elbl, Lily George, T. P. Ly, Madapura S. Satyanarayana, Kareem Minhas. (Sponsored by Billy F. Andrews) Univer. of Louisville School of Med. Dept. of Ped., Louisville. (97)
9. 11:15 ECHOCARDIOGRAPHIC DETERMINATION OF VENTRICULAR DIMENSIONS: USE IN AORTIC STENOSIS. Sidney Glanz, William E. Hellenbrand, Michael A. Berman, Norman S. Talner. Yale Univ. Sch. Med., Yale-New Haven Hosp., Dept. Ped., New Haven. (71)

10. 11:30 ECHOCARDIOGRAPHIC EVALUATION OF THE SEVERITY OF VALVAR AORTIC STENOSIS IN CHILDREN. Norman H. Silverman, James W. French, Joanne Wallington, Richard L. Popp. (Spon. by M.A. Heymann). Stanford Univer.. Ca. (96)

CARDIOLOGY

Second Session

April 30, 1976, 9:00 A.M.
Regency Room

Moderators: Samuel Kaplan and William F. Friedman

11. 9:00 HYPERLIPIDEMIA (HL) IN CHILDREN (Ch.) FROM HIGH RISK FAMILIES. Chandra M. Tiwary (Spon. by C. Angle) Dept. of Ped., Univ. of Nebr. Med. Cent., Omaha. (108)
12. 9:15 EFFECT OF ISOPROTERENOL ON REGIONAL CORONARY FLOW FOLLOWING RIGHT VENTRICULOTOMY. David E. Fixler, James. M. Wheeler, James T. Willerson, John T. Watson. Univer. of Texas Health Science Center, Depts. of Ped. and Med. Surgery, Dallas. (67)
13. 9:30 RESPONSES OF CARDIAC RATE AND RHYTHM TO ISOLATED CEREBRAL HYPOXIA IN NEWBORN PUPPIES. Robert A. Ahtel, (Spon. by Nancy Holland). Univer. of Kentucky College of Med., Dept. of Ped., Lexington. (54)
14. 9:45 SARCOMERE LENGTH IN THE LEFT VENTRICLE OF THE PUPPY. William D. Spotnitz, Henry M. Spotnitz, Nestor J. Truccone, Thomas S. Cottrell, Welton Gersony, James R. Malm, Edmund H. Sonnenblick. Columbia Univ. College of Physicians and Surgeons, Depts. of Ped. and Surgery, New York. (99)
15. 10:00 THE EFFECT OF HEMODYNAMIC VARIABLES ON ALBUMIN TRANSPORT ACROSS THE INTIMA OF CORONARY ARTERIES. Jay M. Jarmakani, M.D., UCLA Med. Center, Dept. of Ped., Los Angeles. (77)

10:15 INTERMISSION

16. ETIOLOGY OF RIGHT BUNDLE BRANCH BLOCK (RBBB) PATTERN FOLLOWING SURGICAL REPAIR OF A-V CUSHION DEFECTS. Robert E. Antar, Ehud Krongrad, Frederick O. Bowman, Jr., James R. Malm. College of Physicians & Surgeons of Columbia Univer., Dept. of Ped., New York. (57)
17. 10:45 SUBAORTIC OBSTRUCTION AFTER THE USE OF AN INTRACARDIAC BAFFLE TO TUNNEL THE LEFT VENTRICLE TO THE AORTA. Albert P. Rocchini, Amnon Rosenthal, Aldo R. Castaneda, Alexander S. Nadas. Harvard Med. School, Children's Hospital Med. Center, Cardiology Dept., Boston. (91)
18. 11:00 PATHOGENESIS OF PARADOXICAL HYPERTENSION AFTER COARCTATION RESECTION. Albert P. Rocchini, Amnon Rosenthal, A. Clifford Barger, Aldo R. Castaneda, Alexander S. Nadas. Harverd Med. School, Children's Hospital Med. Center, Cardiology Dept., Boston. (90)

19. 11:15 PRE AND POST-OPERATIVE EXERCISE STUDIES IN CHILDREN WITH AORTIC STENOSIS. Frederick W. James, Samuel Kaplan, David C. Schwartz, Univer. of Cincinnati College of Med., Children's Hospital Med. Center, Dept. of Ped., Cincinnati. (76)
20. 11:30 THE NATURAL HISTORY OF DOUBLE OUTLET RIGHT VENTRICLE. Henry M. Sondheimer, Robert M. Freedom, Peter M. Olley, (Spon. by R.D. Rowe), Hospital for Sick Children, Toronto. (98)

DEVELOPMENTAL BIOLOGY
First Session

April 30, 1976, 9:00 A.M.
Lido Room

Moderators: Gilbert B. Forbes and Haig H. Kazazian, Jr.

1. 9:00 THE EFFECT OF WEANING AND DIET ON PAH TRANSPORT BY THE KIDNEYS OF DEVELOPING ANIMALS. J. Trevor Brocklebank, Brenda Murray, Alan M. Robson., Wash. Univ. Sch. of Med., Dept. of Ped., St. Louis. (126)
 2. 9:15 PERTURBATION OF THE RENIN-ANGIOTENSIN-ALDOSTERONE SYSTEM IN THE NEWBORN LAMB. Sharon R. Siegel, Delbert A. Fisher, UCLA-Harbor General Hospital, Dept. of Ped., Torrance. (149)
 3. 9:30 REGULATION OF ALDOSTERONE SECRETION IN THE NEONATE. Richard L. Siegler, Ronald H. Crouch, Theodore N. Hackett, Jr., Margaret W. Miller, William Jubiz (Spon. by Lowell A. Glasgow). Depts. of Ped. and Med., Univ. of Utah Col. of Med., Univ. and VA Hosp., Salt Lake City. (150)
 4. 9:45 GLUCONEOGENESIS IN THE SUCKLING RAT. Marc A. Beaudry, John H. Exton, J. Louis Chiasson (Spon. by Ian Burr). Depts. Physiology and Med., Vanderbilt U. Med. Center, Nashville. (119)
 5. 10:00 FETAL METABOLISM IN FASTING SHEEP. Richard L. Schreiner, Laurence I. Burd, M. Douglas Jones, Jr., James A. Lemons, Roger E. Sheldon, Michael A. Simmons, Frederick C. Battaglia, Giacomo Meschia, Univ. of Colorado Med. Center, Div. of Perinatal Med., Denver. (148)
- 10:15 INTERMISSION
6. 10:30 INFLUENCE OF GLUCAGON AND INSULIN ON ALANINE RELEASE FROM CULTURED CHICK SKELETAL MUSCLE. Joseph B. Warshaw, Robert Taylor, Yale Univ. School of Med., Depts. of Ped. and OB/Gyn, New Haven. (155)
 7. 10:45 FETAL UPTAKE OF AMINO ACIDS AND BRAIN ENERGY METABOLISM IN EXPERIMENTAL HYPERPHENYLALANINEMIA. Raul A. Wapnir, Susan A. Moak, Fima Lifshitz, Dept. of Ped., North Shore Univ. Hosp., Manhasset, N.Y. and Dept. of Ped., Cornell Univ. Med. Col., New York. (153)
 8. 11:00 MECHANISM OF INCORPORATION OF LABELLED PALMITIC ACID FROM PLASMA INTO TRIGLYCERIDES OF BROWN ADIPOSE TISSUE. Tibor Heim, Herwart Schenk, Sándor Molnár, Hans Wagner, Christa Kabus. (Spon. by J.B. Warshaw). Dept. Ped. Univ. Med. Sch. Pécs, Hungary, Inst. Path. Physiol. Univ. Jena, GDR. (134)

9. 11:15 HEAT PRODUCING EFFECT OF CARNITINE IN NEWBORNS. Uwe Stave, Milan Novak, Paul B. Wieser, Maria Buch. Dept. of Ped., Univ. of Miami School of Med., Miami. (151)
10. 11:30 SELENIUM LEVELS IN MATERNAL AND CORD BLOOD: CORRELATION WITH GLUTATHIONE PEROXIDASE ACTIVITY. Nathan Rudolph (Spon. by Charles D. Cook). Downstate Med. Ctr., S.U.N.Y., Dept. of Ped., Bklyn. (146)

DEVELOPMENTAL BIOLOGY
Second Session
April 30, 1976, 2:00 P.M.

Tiara Lounge, North

Moderators: Gilbert B. Forbes and Haig H. Kazazian, Jr.

11. 2:00 DEVELOPMENT OF ORGAN BLOOD FLOWS IN THE LAMB. Roger E. Sheldon, Louis L.H. Peeters, M. Douglas Jones, Jr., Edgar L. Makowski, Frederick C. Battaglia, Giacomo Meschia. Div. of Perinatal Med., Univer. of Colorado Med. Center, Denver. (148A)
 12. 2:15 MORPHOLOGIC DEVELOPMENT OF THE PULMONARY VASCULAR BED IN EXPERIMENTAL FETAL HYPERTENSION. Daniel Levin, Allen Hyman, Michael Heymann, Abraham Rudolph, Univer. of Calif. San Francisco, Dept. of Ped. and Cardiovascular Research Inst. (139)
 13. 2:30 HIBERNATING GROUND SQUIRRELS: A MODEL FOR THE RECAPITULATION OF FETAL LUNG DEVELOPMENT. Will R. Blackburn, Jan Delli-Bovi, Phylis A. Logsdon, John Alexander. Univ. of South Alabama College of Med., Mobile. (121)
 14. 2:45 ROLE OF CARBOHYDRATE METABOLISM IN MATURATION OF FETAL RABBIT LUNGS BY HYDROCORTISONE. Carl Gilden, Alex Sevanian, Donald F. Tierney, Solomon A. Kaplan, Cynthia T. Barrett. UCLA School of Med., Dept. of Ped. and Med., Los Angeles. (131)
 15. 3:00 STUDIES OF THE HYPOTHALAMIC-PITUITARY AXIS IN FETAL AND NEWBORN SHEEP. Harvey Guyda, Robert Williams. McGill Univ.-Montreal Children's Hosp. Research Institute, Montreal. (133)
- 3:15 INTERMISSION
16. 3:30 VARIATIONS IN AMNIOTIC FLUID OSMOLALITY WITH GESTATIONAL AGE AND MATERNAL DISEASE, AND ITS RELATION TO L/S RATIO, CREATININE, URINARY ESTRIOL LEVELS AND OXYTOCIN CHALLENGE TEST. Paul Y.K. Wu, Uwe Goebelsmann, Sze K. Ho, Omar Ghazzawi. Univ. of Southern Calif. Sch. of Med., LAC-USC Med. Center, Depts. of Ped. and OB/GYN, Los Angeles. (158)
 17. 3:45 INTESTINAL DISACCHARIDASES (D) IN HUMAN, SHEEP AND RABBIT AMNIOTIC FLUID (AF) DURING GESTATION. M. Potier, P. Guay, P. Lamothe, D. Bousquet, L. Dallaire, S.B. Melancon. Ped. Res. Center, Ste-Justine Hospital and Res. Center on Animal Reproduction, Faculty of Veterinary Med., U. of Montreal, Quebec. (145)

18. 4:00 STIMULATION OF HUMAN FIBROBLAST GROWTH - A COMPARISON OF INSULIN, FIBROBLAST GROWTH FACTOR AND SERUM. Kenneth L. Jones, Judith Addison. Dept. of Ped., Univ. of Calif., San Diego. (136)
19. 4:15 STIMULATION OF SWISS 3T3 CELL GROWTH BY EPIDERMAL GROWTH FACTOR (EGF), FIBROBLASTIC GROWTH FACTOR (FGF) AND DEXAMETHASONE (DEX). Roger L. Ladda and Lia S. LaPiana (Spon. by Nicholas M. Nelson). Penn State Univ. Coll. Med., M.S. Hershey Med. Ctr., Dept. Ped., Hershey. (138)
20. 4:30 THYROXINE EFFECT UPON URIDINE KINASE IN DEVELOPING CEREBELLUM. Morton E. Weichsel, Jr., UCLA School of Med., Harbor Gen. Hosp., Dept. of Ped., Torrance, Ca. (156)

DEVELOPMENTAL PHARMACOLOGY

First Session

April 29, 1976, 9:00 A.M.

Tiara Lounge, North

Moderators: Sanford Cohen and Paul S. Lietman

1. 9:00 DEPRESSANT EFFECTS UPON NEWBORN FEEDING BEHAVIOR WITH THE USE OF DIAZEPAM FOR NEONATAL ABSTINENCE. Reuben E. Kron, Marianne D. Phoenix, Loretta P. Finnegan (Spon. by Maria Delivoria-Papadopoulos). Phila. Gen. Hosp., Depts. of Ped. & Psych., Univ. of Penna. Sch. of Med., Philadelphia. (183)
 2. 9:15 REVERSAL OF NARCOTIC RESPIRATORY DEPRESSION IN THE NEWBORN. Tilo Gerhardt, Eduardo Bancalari, Harry Cohen, Luis Fernandez Rocha, Kathy Holsinger, (Intro. by W.W. Cleveland) Univ. of Miami, School of Med., Dept. of Ped., Miami. (170)
 3. 9:30 THE EFFECT OF LITHIUM (Li) ADMINISTRATION ON Li CONCENTRATION IN MATERNAL BLOOD, BREAST MILK, AND NEO-NATAL BLOOD IN SUBHUMAN PRIMATES. Bruce R. Parks, B. H. Douglas, John E. Rawson (Spon. by B. Batson). The Univ. of Mississippi Med. Center, Dept. of Med., Jackson. (194)
 4. 9:45 VASOPRESSIN IN HUMAN UMBILICAL CORD BLOOD. R. A. Polin, A. Frantz, K. Hussain, L. S. James. Coll. of P&S, Columbia U., Div. of Perinatology & Endocrinol., New York. (197)
 5. 10:00 SERUM DIGOXIN LEVELS IN PREMATURE INFANTS. William W. Pinsky, Joes R. Jacobsen, Paul C. Gillette, John A. Burdine, James M. Adams, Arnold J. Rudolph, Dan G. McNamara. Sections of Cardiol. and Neonatology, Depts. of Ped. and Nuclear Med., Baylor College of Med. and Texas Children's Hosp., Houston. (196)
- 10:15 INTERMISSION
6. 10:30 DISPLACEMENT OF BILIRUBIN FROM ALBUMIN BY DIURETICS. L. Fraser Rasmussen and Richard Wennberg. Dept. of Ped., Univer. of California, School of Med., Davis. (200)

7. 10:45 CLINICAL MANAGEMENT OF HYPERTENSION WITH MINOXIDIL: A CONTROLLED TRIAL IN CHILDREN. Alan Sinaiko, Bernard L. Mirkin. Univ. of Minn. Health Sciences Center Div. of Clin. Pharmacol., Depts. of Ped. and Pharm., Minneapolis. (204)
8. 11:00 DOSE-RESPONSE RELATION OF DIZAOXIDE IN CHILDREN WITH HYPERTENSION. William R. Long, Robert C. Boerth (Sponsored by Thomas P. Graham, Jr.). Vanderbilt Univ. Med. Center, Dept. of Ped. and Pharmacol., Nashville. (188)
9. 11:15 EFFECT OF PROPRANOLOL IN THE TREATMENT OF HYPERTENSION IN CHILDREN. Robert C. Boerth (Spon. by Thomas P. Graham, Jr.). Vanderbilt Univ. Med. Center, Dept. of Ped. and Pharmacol., Nashville. (165)
10. 11:30 PLASMA RENIN ACTIVITY IN HEALTHY AND SICK NEWBORNS. Richard Marshall, Cheryl Bartlett, Michael Sheehan, Michael Maurer, Diane Ellenberger, Alan Blumberg, Philip Needleman (Intr. by R.E. Hillman). Depts. of Ped. and Pharmacol., Washington Univ. Sch. Med., St. Louis. (191)

DEVELOPMENTAL PHARMACOLOGY
Second Session
April 30, 1976, 9:00 A.M.

Tiara Lounge, North

Moderators: Sanford Cohen and Paul S. Lietman

11. 9:00 DEMONSTRATION OF SATURATION KINETICS FOR THEOPHYLLINE DISPOSITION. Miles M. Weinberger, Elliot J. Ginchansky, (Spon. M.K. Younoszai), Univ. of Iowa, U. of Iowa Hosp., Dept. of Ped. and Pharmacol., Iowa City. (207)
12. 9:15 ELIMINATION OF TRANSPLACENTALLY ACQUIRED CAFFEINE IN FULLTERM NEONATES. William D. Parsons, Jacob V. Aranda, Allen H. Neims. McGill Univ., Depts. Pharmacol. & Ped., Montreal Children's Hosp. & Lachine Gen. Hosp., Montreal. (195)
13. 9:30 EFFECTS OF HYPOXIA ON AMIKACIN PHARMACOKINETICS. Najwa Mirhij, Michael D. Reeves, Robert J. Roberts, Martin G. Myers. The Univ. of Iowa College of Med., Univ. of Iowa Hosps. and Clinics, Depts. of Ped. and Pharmacol., Iowa City. (192)
14. 9:45 PHENOBARBITAL DISTRIBUTION IN NEWBORN PUPPIES WITH ACUTE AND CHRONIC ACIDOSIS. John E. Rawson, Bruce R. Parks, Arthur S. Hume. (Spon. by B. Batson). The Univ. of Mississippi Med. Center, Depts. of Ped. and Pharmacol., Jackson. (201)
15. 10:00 METABOLISM AND TOXICITY OF ACETAMINOPHEN DURING DEVELOPMENT IN MICE, George H. Lambert, Snorri S. Thorgeirsson, (Spon. by Joseph D. Schulman). Nat'l. Inst. of Child Health and Human Develop., Nat'l Inst. of Health, Bethesda. (184)

10:15 INTERMISSION

16. 10:30 LEAD-203 (^{203}Pb) AND EDTA: INTERACTIONS WITH PARATHYROID HORMONE (PTH), CALCITONIN (CT) AND 1,25-DIHYDROXYVITAMIN D_3 [1,25-(OH) $_2\text{D}_3$] IN BONE ORGAN CULTURE. John F. Rosen, Albert Einstein Coll. Med., Montefiore Hosp. & Med. Ctr., Dept. Ped., Bronx. (203)
17. 10:45 BIOAVAILABILITY AND EFFICACY OF NAPROXEN SUSPENSION IN CHILDREN WITH POSTOPERATIVE PAIN. Ralph E. Kauffman, Rolf Habersang, Joseph Oren, Jerry D. Johnson (Intr. by C. Cho). Depts. Ped. and Pharmacol., Univ. Kans. Sch. Med., Kans. City, and Syntex Research, Palo Alto. (180)
18. 11:00 PHARMACOKINETICS OF MEPERIDINE IN INFANTS. Gerald F. Atwood, Michael A. Evans, Raymond D. Harbison (Spon. by Thomas P. Graham, Jr.) Div. Ped. Cardiology, Vanderbilt Univ. Med. Ctr., Nashville. (162)
19. 11:15 PROGNOSIS OF INFANTS BORN TO DRUG DEPENDENT MOTHERS: ITS RELATION TO THE SEVERITY OF WITHDRAWAL DURING THE NEONATAL PERIOD. Cleofe J. Chavez, Enrique M. Ostrea, Jr., Milton E. Strauss, Joan C. Stryker, (Spon. by Sanford N. Cohen). Wayne State Univ., Hutzell Hosp. & Children's Hosp. of Mich., Depts. of Ped., Psychol. & OB, Detroit. (166)
20. 11:30 MORTALITY IN INFANTS OF DRUG-DEPENDENT MOTHERS. Loretta P. Finnegan, Dian Reeser, Jacob Schut, (Spon. by Maria Delivoria-Papadopoulos). Phila. Gen. Hosp. (PGH), Depts. of Ped. & Psych., Univ. of Penna. Sch. of Med., Phila. (169)

ENDOCRINOLOGY

First Session

April 29, 1976, 9:00 A.M.

Tiara Room

Moderators: Thomas Aceto and Harvey J. Guyda

1. 9:00 MICROVASCULAR CHANGES IN CHILDREN WITH DIABETES. Robert L. Jackson, Richard A. Guthrie, James A. Esterly, Ahmet N. Bilginturan, Ronald G. James, Jeane F. Saathoff, Dept. of Ped., Columbia, Mo. (232)
2. 9:15 L-DOPA AS A SCREENING TEST OF HYPOTHALAMO-PITUITARY, ADRENAL & PANCREATIC FUNCTION IN CHILDREN. Dorothy J. Becker, Salvador Villalpando, Allan Drash. Univ. of Pittsburgh Sch. of Med., Dept. of Peds., Pittsburgh. (211)
3. 9:30 SOLITARY MAXILLARY CENTRAL INCISOR ASSOCIATED WITH SHORT STATURE AND GROWTH HORMONE DEFICIENCY. Robert A. Ulstrom, Robert J. Gorlin, Elizabeth B. Rappaport, Anne W. Lucky, Eleanor Colle, James Miser. Depts. of Ped. and Oral Pathol., Univ. of Minnesota, Minneapolis, Depts. of Peds., McGill Univ., Montreal, Univer. of Washington, Seattle, Reprod. Research Branch, NIH, Bethesda. (260)
4. 9:45 DELAYED ONSET OF HYPOPITUITARISM: SEQUELA OF THERAPEUTIC IRRADIATION TO TUMORS OF THE EYE, MIDDLE EAR, AND CENTRAL NERVOUS SYSTEM. Gail E. Richards, William M. Wara, Melvin M. Grumbach, Selna L. Kaplan, Glenn E. Sheline, Felix A. Conte. Dept. Ped. & Radiology, Univ. of Calif., San Francisco. (254)

5. 10:00 SOMATOMEDIN IN CHILDREN WITH PROTEIN CALORIE MALNUTRITION. Raymond L. Hintz, Robert Suskind, Kosin Amatayakul, Robert Olsen. Dept. of Ped., Stanford Univ. Med. School, and Anemia and Malnutrition Research Center, Chiang Mai, Thailand. (229)
6. 10:15 DEXAMETHASONE BLOOD LEVELS IN PREGNANT AND NONPREGNANT ADULTS AND NEWBORN INFANTS. Rapin Osathanondh, Dan Tulchinsky, Homa Kamali, Montserrat deM. FencI, H. William Taeusch, Jr. Depts. of Ped. and Obstet. and Gyn., Harvard Med. School, and Boston Hosp. for Women, Boston. (245)
7. 10:30 ABNORMAL CORD THYROID HORMONE LEVELS IN NEONATAL RESPIRATORY DISTRESS SYNDROME (RDS). Raul A. Cuestas, Arnold Lindall, Rolf R. Engel. Univ. of Minnesota Med. School, Minneapolis. (219)
8. 10:45 POSTNATAL CHANGES IN SERUM TOTAL ESTRIOL AND SERUM DEHYDRO-EPIANDROSTERONE SULFATE (DHAS) IN ABNORMAL NEWBORN INFANTS. John W. Reynolds, Karen Bentley, Marvin R. Turnipseed. Univ. of Minnesota Med. School, Dept. of Ped., Minneapolis. (253)
9. 11:00 COMPARISON BETWEEN 1-DEAMINO-8-D-ARGININE VASOPRESSIN (DDAVP), CLOFIBRATE (Cf), CARBAMEZEPINE (Cb) AND PITRESSIN (P) IN THE TREATMENT OF CENTRAL DIABETES INSIPIDUS (DI) IN CHILDHOOD. Dorothy J. Becker, Thomas P. Foley, Jr., Univ. of Pittsburgh, School of Med., Dept. of Ped., Pittsburgh. (212)
10. 11:15 1,25-DIHYDROXYVITAMIN D₃[1,25-(OH)₂D₃]: ITS USE IN THE LONG-TERM MANAGEMENT OF IDIOPATHIC HYPOPARATHYROIDISM (IHP) IN CHILDREN. John F. Rosen, Alan R. Fleischman, Laurence Finberg, Hector DeLuca. Albert Einstein Coll. of Med., Montefiore Hosp. & Med. Center, Dept. Ped., New York; and Univ. of Wisconsin, Dept. of Biochem., Madison. (255)
11. 11:30 THE DETECTION OF THE HETEROZYGOTE CARRIER FOR CONGENITAL ADRENAL HYPERPLASIA (CAH): STUDIES ON PARENTS AND SIBLINGS OF CHILDREN WITH CAH. James P. Gutai, Peter A. Lee, Avinoam A. Kowarski, Claude J. Migeon. Dept. of Ped., Johns Hopkins Hosp., School of Med., Baltimore. (227)

ENDOCRINOLOGY
Second Session
April 30, 1976, 2:00 P.M.

Chase Club

Lawson Wilkins Lecture

SECRETIONS OF THE ENDOCRINE HYPOTHALAMUS. Seymour Reichlin, M.D., Ph.D., Professor of Medicine, Tufts Univ., School of Medicine, Chief, Endocrine Division, New England Medical Center Hosp., Boston.

Moderators: Thomas Aceto and Harvey J. Guyda

12. 3:00 NEW DATA DESCRIBING TISSUE TESTOSTERONE 5 α -REDUCTASE DEFICIENCY AND DIHYDROTESTOSTERONE BINDING IN MALE PSEUDOHERMAPHRODITES (MPH). P. Saenger, A.S. Goldman, L.S. Levin, S. Korth-Schutz, Y. Doberne, M. Katsumata, M.I. New, Cornell Univ. Med. College, New York and Childrens Hosp., Philadelphia. (256)

13. 3:15 HETEROGENEITY OF COMPLETE TESTICULAR FEMINIZATION (CTF) REVEALED BY DIFFERENT LEVELS OF ~~5 α~~ -DIHYDROTESTOSTERONE (DHT) BINDING IN CULTURED SKIN FIBROBLAST. Morris Kaufman, Cippa Straisfeld, Leonard Pinsky. Cell Genet. Lab., Lady Davis Inst., Jewish Gen. Hosp., Dept. of Ped., McGill Univ., Montreal. (235)
14. 3:30 ENDOGENOUS LH SUPPRESSION AND BILATERAL TESTICULAR TUMORS IN CONGENITAL ADRENAL HYPERPLASIA (CAH). Nezam Radfar, Frederic C. Bartter, Richard J. Sherins, (Spon. By Paul A. di Sant'Agnese). NIH, Bethesda. (251)
15. 3:45 PITUITARY REGULATION OF LEYDIG CELL FUNCTION. R.L. Hauger, Y.I. Chen, A.H. Payne, R.P. Kelch. Rep. Endo. Program, U. of Mich., Ann Arbor. (228)
16. 4:00 CORRELATION OF LUTEINIZING HORMONE (LH) AND FOLLICLE STIMULATING HORMONE (FSH) WITH TOTAL BODY WATER (TBW) AND BODY FAT (BF). Robert Penny, Irwin P. Goldstein, S. Douglas Frasier. Univ. So. Calif. Sch. Med., LA. County-USC Med. Ctr., Dept. Ped., Los Angeles. (249)
17. 4:15 EVIDENCE FOR SECRETION OF LUTEINIZING HORMONE RELEASING FACTOR (LRF) BY AN HYPOTHALAMIC HAMARTOMA ASSOCIATED WITH PRECOCIOUS PUBERTY. Howard Kulin, David Judge, Richard Santen, Robert Page. The Pa. State Univ., M.S. Hershey Med. Ctr., Depts. of Ped., Path., Med. & Surg., Hershey. (237)
18. 4:30 INTRACRANIAL CHORIONIC GONADOTROPIN (HCG) SECRETING TUMOR IN A PREPUBERTAL GIRL. Hans H. Bode, Barry B. Bercu, Inese Z. Beitins, Bruce D. Weintraub, Harvard Med. Sch., Mass. Gen. Hosp., Dept. of Ped., Boston and NIH, Bethesda. (214)
19. 4:45 THE MECHANISM OF GLUCAGON INDUCED GROWTH HORMONE SECRETION. H. Lawrence Vallet, Maureen E. Day, Ehud Ben-Galim (Spon. by R. Pickering). Birth Defects Inst., N.Y.S. Dept. of Health and Albany Med. Col., Dept. Ped., N. Y. (261)
20. 5:00 PROPAGATION OF HUMAN GROWTH HORMONE PRODUCING PITUITARY CELLS. Mandavam J. Narasimhan, John A. Anderson. Dept. of Ped., School of Med., Univ. of Minn., Minneapolis. (243)

EPIDEMIOLOGY
April 30, 1976, 9:00 A.M.

Stockholm Room

Moderators: Edward A. Mortimer, Jr. and I. Barry Pless

1. 9:00 ENVIRONMENTAL CONTROLS AND THE DECLINE OF BLOOD LEAD. Carol R. Angle, Matilda S. McIntire, Univ. of Neb. Coll. of Med., Omaha. (264)
2. 9:15 DRIED UMBILICAL CORDS IN THE STUDY OF POLLUTANTS. Robert W. Miller, Clinical Epidem. Branch, NCI, Bethesda. (286)
3. 9:30 DIETARY SERVICES DURING PREGNANCY, AND BIRTHWEIGHT: A RETROSPECTIVE MATCHED PAIR ANALYSIS. David Rush, Agnes C. Higgins, Mark D. Sadow, Susan Margolis. Columbia Univ., Div. Epidem. & Dept. Ped., N.Y. (291)
4. 9:45 URINARY TRACT INFECTIONS DURING PREGNANCY-MATERNAL AND PEDIATRIC FINDINGS. John L. Sever, Jonas H. Ellenberg, Mary R. Gilkeson, Dorothy M. Edmonds, Helen M. Krebs. National Institute of Neurol. and Communicative Disorders and Stroke, NIH, Bethesda. (293)
5. 10:00 CERVICAL CYTOLOGIC SCREENING IN THE ADOLESCENT. K. Hein, K. Schreiber, A.J. Sheehy, M.I. Cohen. Albert Einstein Coll. Med., Montefiore Hosp. & Med. Center, Depts. Ped. and Path., Bronx. (279)
- 10:15 INTERMISSION
6. 10:30 SIBLING AGGREGATION OF PLASMA CHOLESTEROL. Mary J. Jesse, Barbara E. Klein, Charles H. Hennekens, Janet E. Gourley, Sidney Blumenthal. Dept. of Ped., Univ. of Miami School of Med., Miami. (281)
7. 10:45 LOWER RESPIRATORY TRACT INFECTIONS (LRI) IN CHILDREN WITH LEFT-TO-RIGHT INTRACARDIAC SHUNTS. H. A. Baskin, L.M. Taussig, L.A. Platt, H.D. Allen, S. Goldberg, D. Sahn. Univ. of Arizona, Dept. of Ped., Tucson. (266)
8. 11:00 EPIDEMIOLOGIC STUDIES OF S. PNEUMONIAE: LONGITUDINAL CARRIAGE OF PNEUMOCOCCAL SEROTYPES IN YOUNG INFANTS. George M. Converse, Hugh C. Dillon, Univ. of Alabama in Birmingham, School of Med., Dept. of Ped., Birmingham. (270)
9. 11:15 AN OUTBREAK OF MEASLES AMONG ADOLESCENTS. Leonard Weiner, Robert Corwin, Phillip Nieburg (Intro by H.A. Feldman). SUNY, Upstate Med. Ctr., Depts. of Peds. and Prev. Med., Syracuse. (297)
10. 11:30 FEVER UNDER THREE MONTHS OF AGE. Frederic W. Bruhn, Kenneth McIntosh. Univ. of Colo. Sch. of Med., Denver General Hosp., Dept. of Ped., Denver. (269)

GASTROENTEROLOGY AND NUTRITION

First Session

April 29, 1976, 9:00 A.M.

Chase Club

Moderators: William K. Schubert and William C. Heird

1. 9:00 CONTROLLED TRIAL OF INTRAVENOUS GLUCOSE VS GLUCOSE AND AMINO ACIDS IN PREMATURE INFANTS. T.L. Anderson, J.F. Nicholson, W.C. Heird. Columbia Univ. Coll. of Physicians and Surgeons, Dept. of Ped., N.Y. (301)
2. 9:15 A MINERAL-ENRICHED FORMULA FOR THE <1500-GM INFANT. Judith Gibbs, David Sands, Robert Usher. McGill Univ., Royal Victoria Hosp., Depts. of Obs. Gyn. and Ped., Montreal. (321)
3. 9:30 IMPAIRED ASSIMILATION OF NASOJEJUNAL (NJ) FEEDS IN VERY LOW BIRTH WEIGHT (VLBW) INFANTS. Neil Roy, Robert Pollnitz, Richard Hamilton, Graham Chance. Research Institute, Hosp. for Sick Children, Dept. of Ped., Univ. of Toronto, Ontario. (352)
4. 9:45 IDENTIFICATION OF IMMUNOGLOBULIN BEARING LYMPHOCYTES IN FRESH HUMAN BREAST MILK. William Pittard, Stephen Polmar, Michael Fanger, Avroy Fanaroff. Case Western Reserve Univ., Depts. of Microbiol. & Ped., Cleveland. (347)
5. 10:00 SERUM LIPIDS DURING TOTAL PARENTERAL NUTRITION WITH INTRALIPID (TPN-IL). Frank A. Franklin, Jr., John B. Watkins, Lesley Heafitz, Alexander W. Clowes, Jan L. Breslow, (Spon. by H. William Taesch, Jr.) Harvard Med. School, Child. Hosp. Med. Ctr., Dept. of Ped., Boston. (317)
- 10:15 INTERMISSION
6. 10:30 LIVER IN REYE'S SYNDROME (RS): NORMAL K_m OF MITOCHONDRIAL UREA CYCLE ENZYMES (CPS, OTC) AND FAILURE OF 4-PENTENOIC ACID (PA) TO ACCOUNT IN VITRO FOR THE TRANSIENT REDUCTION OF ACTIVITY OF THE TWO ENZYMES IN VIVO. Ted Brown, George Hug, Lester Lansky, Kevin Bove, William Schubert. Depts. of Ped., Univ. of Cincinnati and Kansas, Cincinnati, and Kansas City, KS. (309)
7. 10:45 INHIBITION OF ORNITHINE TRANS-CARBAMYLASE (OTC) ACTIVITY IN NORMAL RAT AND HUMAN LIVER BY LIVER HOMOGENATES FROM PATIENTS WITH REYE'S SYNDROME (RS). Takashi Yoshida, Frank Sinatra, Philip Sunshine. Stanford Univ. School of Med., Dept. of Ped., Stanford. (366)
8. 11:00 AGAROSE-GEL LIPOPROTEIN ELECTROPHORESIS IN REYE'S SYNDROME (RS). Robert C. Bobo, William K. Schubert, John C. Partin, Jacqueline S. Partin, Cathy McGraw. Children's Hosp. Research Foundation, Cincinnati. (307)

9. 11:15 JAMAICAN VOMITING SICKNESS: BIOCHEMICAL INVESTIGATION OF TWO CASES. Kay Tanaka, Ecclestom A. Kean, Barbara Johnson, (Spon. by L.E. Rosenberg). Yale Univ. Sch. of Med., Dept. of Human Genetics, New Haven; Dept. of Biochem., Univ. of West Indies and Children's Hosp., Kingston, Jamaica. (355)
10. 11:30 THE NEONATAL FORM OF CITRULLINEMIA: SURVIVAL IN A PATIENT TREATED WITH KETOACID ANALOGUES OF ESSENTIAL AMINO ACIDS. Jess G. Thoene, Mark Batshaw, Elaine B. Spector, Stanko Kulovich, Saul W. Brusilow, Mackenzie Walser, William L. Nyhan. Univ. of California, San Diego and Johns Hopkins Univ., Baltimore. (358)

GASTROENTEROLOGY AND NUTRITION

Second Session

April 30, 1976, 9:00 A.M.

Tiara Room

Moderators: William K. Schubert and William C. Heird

11. 9:00 HYPOXIA (HY) EFFECTS ON CARBOHYDRATE (CHO) TRANSPORT. Fima Lifshitz, Raul A. Wapnir, Robert Pergolizzi, Saul Teichberg. Dept. of Ped., North Shore Univ. Hosp., Manhasset, N.Y. and Dept. of Ped., Cornell Univ. Med. Col., N.Y. (334)
12. 9:15 CHOLESTYRAMINE THERAPY IN CHILDREN WITH CHRONIC DIARRHEA: EVIDENCE FOR THE INHIBITION OF AMINO ACID ABSORPTION BY BILE SALTS. Adolfo D. Garnica, Owen M. Rennert, Bradley M. Rodgers. Univ. of Florida College of Med., Div. of Genetics, Endocrinol., and Metab., Dept. of Ped., Gainesville. (320)
113. 9:30 ENHANCED DEGRADATION OF INTESTINAL SURFACE GLYCOPROTEIN IN BACTERIAL OVERGROWTH. Anita C. Jonas, Gordon G. Forstner (Spon. by J.R. Hamilton). Hosp. for Sick Children, Dept. of Ped., Toronto. (325)
14. 9:45 THE EFFECTS OF INTESTINAL SOLUTE LOAD ON WATER SECRETION IN ACQUIRED MONOSACCHARIDE INTOLERANCE (AMI). W.J. Klish, J.T. Rodriguez, J.N. Udall, J.H. Rogers, B.L. Nichols. Dept. of Ped., Baylor Coll. of Med., Houston. (329)
15. 10:00 ROLE OF ORAL NUTRITION ON INTESTINAL ADAPTATION AFTER RESECTION. Claude L. Morin, Victor Ling. Centre de Recherche Pédiatrique, Hôpital Sainte-Justine, Université de Montréal, Montréal. (340)

10:15 INTERMISSION

16. 10:30 DELAYED NERVE CONDUCTION VELOCITIES IN CHILDREN WITH PROTEIN-CALORIE MALNUTRITION (PCM). Ashir Kumar, Om P. Ghai, Naunihal Singh, (Spon. by Donald N. Medearis, Jr.). Dept. of Ped., Case Western Reserve Univ., Sch. of Med. at Cleveland Metropolitan General Hosp., Cleveland, and All India Inst. of Med. Sciences, New Delhi, INDIA. (331)

17. 10:45 BILIRUBIN(B) METABOLISM AND TISSUE DISTRIBUTION IN JAUNDICED RATS TREATED WITH INTRALIPID(I). M. Michael Thaler. Univ. of California, San Francisco. (357)
18. 11:00 ESSENTIAL FATTY ACID DEFICIENCY, PLATELET AGGREGATION AND THE MAJOR URINARY METABOLITES OF THE E PROSTAGLANDINS (PGE-M) IN THE NEWBORN. Zvi Friedman, Edward Lamberth, Hans Seyberth, John A. Oates (Spon. by Nicholas M. Nelson). Penn. State Univ. Coll. Med., M.S. Hershey Med. Ctr., Dept. of Ped., Hershey, and Vanderbilt Med. Ctr., Depts. of Pharm. and Med., Nashville. (318)
19. 11:15 DECREASED LOWER ESOPHAGEAL SPHINCTER PRESSURES (LESP) IN GASTROESOPHAGEAL REFLUX OF CHILDHOOD. Arthur R. Euler, Marvin E. Ament. UCLA School of Med., Dept. of Ped., Los Angeles. (316)
20. 11:30 DISACCHARIDASE ACTIVITIES IN PANCREATIC INSUFFICIENCY AND REAPPRAISAL OF LACTASE ACTIVITY IN CYSTIC FIBROSIS. Irena Antonowicz, Emanuel Lebenthal, Harry Shwachman. Harvard Med. School, Children's Hosp. Med. Center, Boston. (303)

GENETICS
First Session
April 29, 1976, 9:00 A.M.

Lido Room

Moderators: Frederick Hecht and William S. Sly

1. 9:00 IMMUNOLOGICAL EVIDENCE FOR ENZYMATICALLY INACTIVE ARGININE ESTERASE (AEase) IN CYSTIC FIBROSIS (CF). Emmanuel Shapira, G.J.S. Rao, Hans U. Wessel, Henry L. Nadler. Northwestern Univ. Med. School, Children's Memorial Hosp., Dept. of Ped., Chicago. (420)
2. 9:15 HUMAN B-GLUCURONIDASE DEFICIENCY MUCOPOLYSACCHARIDOSIS: IDENTIFICATION OF CROSS-REACTING ANTIGEN IN DEFICIENT PATIENTS BY PRIMARY ENZYME IMMUNOASSAY. Elliott Bell, Jr., William S. Sly, Frederick E. Brot, Daniel Achord. Washington Univ. Sch. of Med., Depts. of Ped., Path., and Med., St. Louis Children's and Barnes Hosps., St. Louis. (370)
3. 9:30 THE RELATION BETWEEN HETEROZYGOSITY AND IQ IN PHENYLKETONURIA. Malcolm Williamson, Richard Koch, Samuel P. Bessman, Ennis C. Layne. Univ. of So. Calif. School of Med., Dept. of Pharmacol., Los Angeles. (432)
4. 9:45 CARRIER DETECTION IN ORNITHINE TRANSCARBAMYLASE DEFICIENCY. Jerold T. Hokanson, William E. O'Brien, Irwin A. Schafer. Case Western Reserve Univ., School of Med., Cleveland Metropolitan Gen. Hosp., Dept. of Ped., Cleveland. (385)
5. 10:00 FABRY'S DISEASE: DETECTION OF HEMIZYGOUS AND HETEROZYGOUS STATE BY α -GALACTOSIDASE IN SERUM AND LEUKOCYTES AND NERVE CONDUCTION. Kumudchandra J. Sheth, Thomas A. Good, John P. Thomas, Jr., Herbert M. Swick, Jerome V. Murphy. Med. College of Wisconsin, Milwaukee Children's Hosp., Depts. of Ped. and Neurol., Milwaukee. (422)
- 10:15 INTERMISSION
6. 10:30 METABOLIC ABNORMALITIES IN LOWE SYNDROME FIBROBLASTS. Roderick R. McInnes, Vivian E. Shih, Richard W. Erbe. Harvard Med. Sch. Mass. Gen. Hosp. (Genet.), Boston. (402)
7. 10:45 DETECTION AND CHARACTERIZATION OF PROPIONATE-METHYL-MALONATE DISORDERS IN CELL CULTURE: A SIMPLE METHOD. H.F. Willard, L.M. Ambani, M.J. Mahoney, L.E. Rosenberg. Yale Sch. Med., Depts. Human Genet. and Ped., New Haven. (431)
8. 11:00 COBALAMIN (VITAMIN B₁₂) TOXICITY IN METHYLMALONICACIDEMIA. M.J. Mahoney, J.F. Nicholson, A.C. Hart, L.E. Rosenberg, R. Challop. Depts. of Human Genet. & Ped., Yale Univ., New Haven; Dept. of Ped., Columbia Univ., N.Y. (403)

9. 11:15 MULTIPLE ENZYME DEFECTS IN FAMILIAL HYPERLYSINEMIA. Joseph Dancis, Joel Hutzler, Norman C. Woody, Rody B. Cox. New York Univ. School of Med. and Tulane Univ. School of Med., Depts. of Ped., New York and New Orleans. (377)
10. 11:30 HYPERARGININEMIA. Stephen D. Cederbaum, Kenneth N.F. Shaw, Gerald Sugarman, Joan C. Blaskovics. Univ. of Cal. at Los Angeles, Depts. of Psych. & Ped., & Childrens Hosp. and Univ. of Southern Cal. Dept. of Ped., Los Angeles. (376)

GENETICS

Second Session

April 30, 1976, 2:00 P.M.

Lido Room

Moderators: Frederick Hecht and William S. Sly

11. 2:00 AN ASSOCIATION OF DOWN'S SYNDROME (DS) WITH ADVANCED MATERNAL AGE, AND ALPHA-1 ANTITRYPSIN (AAT) VARIANTS. Robert M. Fineman, A. Myron Johnson, Kenneth K. Kidd, W. Roy Breg. Yale Univ. Sch. Med., Depts. of Human Genet. and Ped., New Haven; Univ. of N.C., Dept. Ped., Chapel Hill; Southbury Training School, Southbury, CT. (381)
 12. 2:15 H-Y (MALE) ANTIGEN DETERMINATION IN DELINEATION OF SEX CHROMOSOME ABNORMALITIES. W. Roy Breg, Myron Genel, Stephen Wachtel, Gloria Koo, Orlando J. Miller. Yale Univ., Depts. of Hum. Genet. and Ped., New Haven; Mem.-Sloan Kettering Cancer Ctr., N.Y.C.; Depts. of Hum. Genet. & Dev. and Obs. & Gyn., N.Y.C.; Southbury Training School, Southbury. (373)
 13. 2:30 MUTATION IN HUMAN LYMPHOCYTE LINES. Soja P. Bennett, Arthur D. Bloom, Frank T. Nakamura. College of Physicians and Surgeons of Columbia Univ., Dept. of Ped., N.Y. (371)
 14. 2:45 ORIGIN OF CHROMOSOMAL ABNORMALITIES: EVIDENCE FOR DELAYED FERTILIZATION IN MEIOTIC NONDISJUNCTION. Richard C. Juberg, John B. Mailhes. Dept. of Ped., L.S.U. School of Med., Shreveport, Louisiana. (395)
 15. 3:00 PHENOTYPIC VARIATION IN THE 3_q TRISOMY SYNDROME. Robert M. Fineman, Ronald C. Ablow, Rufus O. Howard, W. Roy Breg. Yale Univ. Sch. Med., Depts. Human Genet., Ped., Radiol., Ophthal., New Haven. (380)
- 3:15 INTERMISSION
16. 3:30 THYMIC ABNORMALITIES IN A FAMILY WITH CANDIDIASIS - ENDOCRINOPATHY SYNDROME (CES). K. Arulanantham, M. Genel, J.M. Dwyer (Spon. by Howard A. Pearson). Depts. of Ped. and Med., Yale Univ. School of Med., New Haven. (369)

17. 3:45 SULFITE OXIDASE DEFICIENCY. Vivian E. Shih, Israel F. Abrams, Roseann Mandell, Miriam M. Carney, Jean L. Johnson, K.V. Rajagopalan. Neurol. Services, Mass. Gen. Hosp. and Children's Hosp. Med. Center, Boston; Dept. of Biochem., Duke Univ., Durham. (423)
18. 4:00 SEGREGATIONAL ERRORS OF CHROMOSOMES INDUCED BY TETRAHYDROCANNABINOL AND OLIVETOL. Akira Morishima, Richard T. Henrich, Gabriel G. Nahas, Depts. of Ped. and Anesthesiology, Coll. of Physicians and Surgeons, Columbia Univ., N.Y. (405)
19. 4:15 LONG TERM LIVER CELL CULTURE. H. Negishi, P. Benke, (Intr. by R. Stempfel, Jr.). Univ. of Miami Mailman Center for Child Develop., Miami. (407)
20. 4:30 CHROMOSOME POLYMORPHISM AND TWIN ZYGOSITY. D.L. Van Dyke, C.G. Palmer, W. E. Nance, P.L. Yu, (Spon. by Lester Weiss). Henry Ford Hosp., Detroit; Indiana Univ., Indianapolis; Med. Coll. of Virginia, Richmond. (429)

HEMATOLOGY

First Session

April 30, 1976, 9:00 A.M.

Zodiac Lounge

Moderators: Irving Schulman and Denis R. Miller

1. 9:00 THE ANEMIA OF PREMATUREITY: FACTORS GOVERNING THE ERYTHROPOIETIN RESPONSE. James A. Stockman, III, Joseph F. Garcia, Grank A. Oski. Dept. of Ped., S.U.N.Y., Upstate Med. Center, Syracuse, and Lawrence Berkeley Lab., Univ. of California, Berkeley. (485)
2. 9:15 EFFECTS OF PREGNANCY ON HEMOGLOBIN A_{1c} IN NORMAL, GESTATIONALLY DIABETIC AND DIABETIC WOMEN. Herbert C. Schwartz, Katherine C. King, Alan L. Schwartz, Diana Edmunds, Robert Schwartz. Stanford Univ. School of Med., Depts. of Ped., Stanford; Case Western Reserve Univ., Depts. of Ped. and Pharmacol., Cleveland Metropolitan Gen. Hosp., Cleveland; and Brown Univ., Rhode Island Hosp., Providence. (481)
3. 9:30 POLYVALENT PNEUMOCOCCAL POLYSACCHARIDE IMMUNIZATION IN PATIENTS WITH SICKLE CELL ANEMIA. Joseph Addiego, W. Bryon Smith, William C. Mentzer, Bertrand Lubin, Arthur J. Ammann. Childrens Hosp. Med. Center, Oakland, California, San Francisco Gen. Hosp. and Univ. of Calif., Dept. of Ped., San Francisco. (434)
4. 9:45 UTILIZATION OF A FUNCTIONAL PHAGOCYTTIC ASSAY SYSTEM IN THE EVALUATION OF OPSONIC ACTIVITY IN SERA FROM PATIENTS WITH SICKLE CELL ANEMIA (SCA). Arthur J. Provisor, John M. Allen, Robert L. Baehner. Indiana Univ. School of Med., J.W. Riley Hosp. for Children, Dept. of Ped., Indianapolis. (476)

5. 10:00 PHYSIOLOGICAL SIGNIFICANCE OF ERYTHROCYTE PROTOPORPHYRIN (EP) IN MODERATE BODY LEAD BURDEN. Donald S. Levi, Anita S. Curran, Sheryll D. Alexander, Bernard Davidow, Sergio Piomelli, (Spon. by Saul Krugman). NYU Dept. Ped. and NYC Board of Health, N.Y. (463)
- 10:15 INTERMISSION
6. 10:30 AN IN-VITRO DEMONSTRATION OF THE ABILITY OF HUMAN BONE MARROW STROMAL ELEMENTS TO SUSTAIN GRANULOCYTOPOIESIS. Arnold J. Altman. Univ. of Connecticut Health Center, Dept. of Ped., Farmington, Ct. (435)
7. 10:45 SERUM INHIBITOR TO GRANULOPHOIESIS IN THALASSEMIA (THAL) MAJOR. Naomi L.C. Luban, Denis R. Miller. Cornell Univ. Med. Col.- New York Hosp., Dept. of Ped., N.Y. (464)
8. 11:00 MONOCYTES: THE MAJOR SOURCE OF LEUKOCYTE PROCOAGULANT ACTIVITY. Kenneth C. Rich, Robert I. Lehrer, (Spon. by L.M. Pachman). UCLA, Depts. of Ped. and Med., Los Angeles. (478)
9. 11:15 PLATELET FUNCTION IN THE CHEDIAK-HIGHASHI SYNDROME (CHS). George R. Buchanan, Robert I. Handin, (Spon. by David G. Nathan). Harvard Med. School, Children's Hosp. Med. Center and Peter Bent Brigham Hosp., Boston. (439)
10. 11:30 NORMAL PLATELET SURVIVAL AND ULTRASTRUCTURE IN HOMOCYSTINURIA (CYSTATHIONINE SYNTHASE DEFICIENCY). Anne W. Lucky, Edward R. Uhlemann, John H. TenPas, N. Raphael Shulman, S. Harvey Mudd, Joseph D. Schulman. NIH and NIMH, Bethesda. (465)

HEMATOLOGY
Second Session
April 30, 1976, 2:00 P.M.

Tiara Room

Moderators: Irving Schulman and Denis R. Miller

11. 2:00 THE METABOLIC BASIS FOR HYPERPHAGOCYTOSIS IN CHRONIC GRANULOMATOUS DISEASE (CGD) POLYMORPHONUCLEAR LEUKOCYTES (PMN). Robert L. Baehner, Laurence A. Boxer, Jacqueline Davis. Indiana Univ. School of Med., J.W. Riley Hosp. for Children, Dept. of Ped. Indianapolis. (436)
12. 2:15 INVESTIGATIONS OF CYCLIC NEUTROPENIA. Kamran Tebbi, Samuel Gross. Case Western Reserve Univ., Dept. of Ped., Cleveland. (490)
13. 2:30 HYPERFIBRINOGENEMIA IN POLYCYTHEMIC NEWBORNS AND GROWTH-RETARDED FETUSES. Loren R. Pickart, Robert K. Creasy, M. Michael Thaler. Univer. of Calif., Depts. of Ped. and Obstet., San Francisco. (474)

14. 2:45 A BENEFICIAL EFFECT OF THE IN SITU KIDNEY ON IN VITRO MARROW ERYTHROPOIESIS IN CHRONIC RENAL DISEASE. Jorge A. Ortega, Mohammed H. Malekzadeh, Peter P. Dukes, Richard N. Fine. Andrew Ma, Nomie A. Shore. USC School of Med. and Childrens Hosp. of Los Angeles, Dept. of Ped., Los Angeles. (472)
15. 3:00 STUDIES ON THE ANEMIA OF UREMIA. Melvin H. Freedman, E. Fred Saunders. Dept. of Ped., Hosp. for Sick Children, Univ. of Toronto, Toronto. (449)
- 3:15 INTERMISSION
16. 3:30 CONSTANT SUBCUTANEOUS (SC) INFUSION OF DESFERRIOXAMINE (DF) IN TRANSFUSED BETA THALASSEMIA PATIENTS (THALS). R. Propper, S. Shurin, D. Nathan. Children's Hosp. Med. Center and Harvard Med. School, Boston. (475)
17. 3:45 UNSTABLE PROPERTIES OF FETAL HEMOGLOBIN. Warren B. Smith Sue H. Fujimura, Bertram H. Lubin, Thomas B. Bradley (Spon. by Peter Dallman). Children's Hosp. Med. Center, Oakland, V.A. Hosp., San Francisco. (483)
18. 4:00 A SIMPLE TEST FOR DETECTION OF HB S IN THE NEONATAL PERIOD. Shlomo Friedman, Bruce Back, Maria Delivoria-Papadopoulos, Jean Atwater, Toshio Asakura, Elias Schwartz. Univ. of Pennsylvania Sch. of Med., The Children's Hosp. of Philadelphia and Hosp. of the Univ. of Pennsylvania, and Jefferson Med. Coll., Cardeza Foundation for Hematol. Research, Philadelphia. (450)
19. 4:15 THE INCIDENCE OF LIVER DYSFUNCTION IN HEMOPHILIA A, B & VON WILLEBRAND'S DISEASE. Margaret W. Hilgartner, Patricia Giardina (Spon. by Denis R. Miller). Cornell U. Med. Coll., New York & Beth Israel Hosp. Dept. of Ped., N.Y. (457)
20. 4:30 THE EFFECT OF ASPIRIN, GLYCEROL GUIACOLATE, TRIPROLIDINE-PSEUDOEPHEDRINE, AND DIPHENHYDRAMINE ON PLATELET FUNCTION. Lorraine A.A. Champion, Ruth E. Luddy, Susan Schindler, Allen D. Schwartz. Univ. of Maryland School of Med., Dept. of Ped., Baltimore. (440)

IMMUNOLOGY
First Session
April 29, 1976, 9:00 A.M.

Zodiac Lounge

Moderators: Joseph A. Bellanti and Fred S. Rosen

1. 9:00 CLINICAL, IMMUNOLOGIC AND GENETIC FINDINGS IN C4 DEFICIENCY. Charles G. Jackson, Hans D. Ochs, Jane G. Schaller, Bruce C. Gilliland, Ralph J. Wedgwood. Univ. of Wash. Sch. of Med., Depts. of Ped. and Med., Seattle. (522)
2. 9:15 COMPLEMENT ABNORMALITIES IN LIPODYSTROPHY. Moshe M. Ipp, Joe O. Minta, Erwin W. Gelfand. Dept. of Immunol., Hosp. for Sick Children and Dept. of Pathol., Univ. of Toronto, Toronto. (521)
3. 9:30 ALLERGY TO PANCREATIC ENZYMES IN PARENTS OF PATIENTS WITH CYSTIC FIBROSIS. Frank J. Twarog, Steven F. Weinstein, Kon Taik Khaw, Denise J. Strider, Harvey R. Colten. Harvard Med. School, Children's Hosp. Med. Center, Dept. of Med., Boston. (557)
4. 9:45 IgE ANTIBODIES TO WHEAT (W), RICE (R), AND BUCKWHEAT (B). Kouji Tateno, Wai-Ying Lee, Tatsuo Matsumura, Douglas C. Heiner. Dept. of Ped. Gunma Univ., Japan and UCLA School of Med., Torrance. (556)
5. 10:00 THE PROPHYLAXIS OF ALLERGY IN INFANTS DEBATE. Robert N. Hamburger, H. Alice Orgel. Univ. of Calif., School of Med., Depts. of Ped., Immunol. and Allergy Div., San Diego. (517)
- 10:15 INTERMISSION
6. 10:30 IgG AS A SERUM VECTOR OF MUCOCILIARY DISTURBANCES IN ALLERGIC ASTHMA. James H. Conover, Michael Kornfield, Elaine J. Conod, (Spon. by Emile M. Scarpelli). Pulmon. Div., Dept. of Ped., Albert Einstein College of Med., Bronx. (504)
7. 10:45 MEMBRANE DEFORMABILITY IN THE CHARACTERIZATION OF DISORDERS OF HUMAN NEUTROPHIL MOVEMENT. M.E. Miller, K.A. Myers. Harbor Gen. Hosp. Dept. of Ped., Los Angeles. (532)
8. 11:00 CHEMOTAXIS OF HUMAN CORD BLOOD MONOCYTES. Robert R. Kretschmer, Prudence Stewardson, Cynthia Papierniak, Samuel P. Gotoff. Div. Immunol. Dept. Ped., Michael Reese Med. Ctr., Pritzker Sch. Med., Univ. of Chicago. (528)
9. 11:15 PHAGOCYTIC FUNCTION IN IMMUNE DEFICIENCY. E.R. Grimes, S.G. Pahwa, R.N. Pahwa, S.A. Schwartz, R.J. O'Reilly, R.A. Good, E.M. Smithwick. Memorial Sloan-Kettering Cancer Center, Dept. of Ped., N.Y. (516)
10. 11:30 NUCLEOTIDE METABOLISM IN ADENOSINE DEAMINASE DEFICIENCY. Frank C. Schmalstieg, Armond S. Goldman, Gordon C. Mills, Thomas M. Monahan, J. Arly Nelson, Randall M. Goldblum. Depts. of Ped. & Human Biol., Chem., and Genet., The Univ. of Texas Med. Branch, Galveston, Southern Research Institute, Birmingham. (553)

IMMUNOLOGY
Second Session
April 30, 1976, 2:00 P.M.

Zodiac Lounge

Moderators: Joseph A. Bellanti and Fred S. Rosen

11. 2:00 SELECTIVE PRODUCTION OF ANTIBODIES TO TETANUS AND DIPHTHERIA TOXOIDS. Gerald Nathenson, Steven Litwin. Albert Einstein College of Med., Montefiore Hosp. and Med. Center, Dept. Ped.; Cornell Med. Coll., Dept. Med., N.Y. (538) (Withdrawn)
 12. 2:15 ANTIBODY RESPONSE OF INFANTS TO THE CAPSULAR POLYRIBOPHOSPHATE (PRP) OF HEMOPHILUS INFLUENZAE b (HIB). Porter W. Anderson, David L. Ingram, Lynn Harding, David H. Smith. Children's Hosp. Med. Center, Dept. of Med., Boston. (494)
 13. 2:30 DEVELOPMENT OF TETANUS AND DIPHTHERIA IGE ANTIBODIES AFTER IMMUNIZATION. James Nagel, Dianna Svec, Tomi Waters, Philip Fireman. Univ. of Pittsburgh Sch. of Med., Dept. of Ped., Pittsburgh. (537)
 14. 2:45 CLINICAL TRIALS OF IMMUNIZATION WITH LIVE HUMAN CYTOMEGALOVIRUS (TOWNE STRAIN). Stanley A. Plotkin, Max Just, John Farquhar. Wistar Inst., Children's Hosp., Philadelphia; Kinderspital, Basel, Switzerland. (546)
 15. 3:00 DEPRESSED SPECIFIC CELL-MEDIATED IMMUNITY TO CYTOMEGALOVIRUS IN PREGNANCY. Lawrence D. Frenkel, David A. Fuccillo, Monroe M. Vincent, Joseph A. Bellanti. Georgetown Univ. School of Med., Washington, D.C.; NIH; Microbiol. Assoc. Inc., Bethesda. (510)
- 3:15 INTERMISSION
16. 3:30 SECRETORY ANTIBODY FOLLOWING RESPIRATORY SYNCYTIAL VIRUS INFECTION IN INFANTS. Kenneth McIntosh, Helen Masters, Inara Orr, Ru K. Chao, Roger M. Barkin. Univ. of Colo. Sch. of Med., Dept. of Ped., Denver. (530)
 17. 3:45 CLINICAL AND ANTIBODY RESPONSES FOLLOWING IMMUNIZATION WITH RA27/3 RUBELLA VACCINE ANALYZED BY HL-A TYPE. Mary J. Spencer, James D. Cherry, Paul I. Terasaki, Keith R. Powell, Ciro V. Sumaya, S. Michael Marcy. Depts. Ped. and Surg., U.C.L.A. and Dept. Ped., Kaiser Foundation Hosp., Panorama City, Ca. (554)
 18. 4:00 NON-SPECIFIC LYMPHOCYTE EFFECTOR FUNCTION IN IMMUNODEFICIENCY PATIENTS: MITOGEN-INDUCED CELLULAR CYTOTOXICITY (MICC) AND ANTIBODY-DEPENDENT CELLULAR CYTOTOXICITY (ADCC). David L. Nelson, Warren Strober, Andrew V. Muchmore, R. Michael Blaese. NCI, NIH, Bethesda. (539)

19. 4:15 THE IN VITRO AND IN VIVO EFFECT OF THYMOSIN IN PRIMARY IMMUNODEFICIENCY DISEASE. Diane W. Wara, Arthur J. Ammann. Dept. of Ped., Univ. of Calif., San Francisco. (558)
20. 4:30 HOST RESPONSE IN OTITIS PRONE CHILDREN. G. Scott Giebink, Elaine L. Mills, John S. Huff, S.K. Juhn, Paul G. Quie. Univ. of Minnesota Med. School, Depts. of Ped. and Otolaryng., Minneapolis. (513)

INFECTIOUS DISEASE

First Session

April 29, 1976, 9:00 A.M.

Starlight Roof

Moderators: Lowell A. Glasgow and David H. Smith

1. 9:00 CLINICAL FEATURES OF HUMAN REOVIRUS-LIKE AGENT GASTROENTERITIS IN INFANTS AND CHILDREN. William J. Rodriguez, Hyun Wha Kim, Carl D. Brandt, Robert M. Chanock, Albert Z. Kapikian, Richard Wyatt, Robert H. Parrott. George Washington Univ., Children's Hosp. National Med. Center, Washington, D.C., NIAID, NIH, Bethesda. (610)
2. 9:15 CHEMOIMMUNOTHERAPY IN EXPERIMENTAL INFECTIONS DUE TO HERPESVIRUS HOMINIS. C.T. Cho, K.K. Feng. Depts. of Ped. & Microb., Univ. of Kansas Med. Center, Kansas City, Kansas. (573)
3. 9:30 CELLULAR IMMUNE RESPONSES TO HERPES GROUP VIRUSES DURING TREATMENT WITH ADENINE ARABINOSIDE. Russell W. Steele, Ronald E. Keeney. Dept. of Ped., Brooke Army Med. Center, San Antonio, Texas and Dept. of Ped., Southern Illinois Univ. School of Med., Springfield. (619)
4. 9:45 THE ROLE OF ANTIBODY IN NEONATAL GROUP B STREPTOCOCCAL INFECTION, TYPE III. Carol J. Baker, Dennis L. Kasper, Abel Paredes, William C. McCormack (Intr. by Martha D. Yow). Baylor College of Med. Dept. of Ped., Houston, and Channing Lab., Boston City Hosp. and Harvard Med. School, Boston. (563)
5. 10:00 SERUM OPSONINS FOR GROUP B STREPTOCOCCI. Val G. Hemming, Robert T. Hall, Harry R. Hill. Univer. of Utah, Dept. of Ped. and Path., Salt Lake City and Children's Mercy Hosp., Univ. of Missouri, Kansas City. (587)

10:15 INTERMISSION

6. 10:30 ONTOGENY OF SERUM AND SECRETORY KI ANTIBODIES. George H. McCracken, Larrie B. Sarff, John B. Robbins, Mary Glode, Bertil Kaiser, Lars Hanson. Dept. Ped. Univ. Texas Southwestern Med. School, Dallas; Bur Biologics, FDA, Bethesda and Dept. Immunol., Univ. Goteborg, Sweden. (601)

7. 10:45 ROLE OF ADENOVIRUS IN PERTUSSIS SYNDROME. L.J. Baraff, J. Wilkins, G.D. Overturf, P.F. Wehrle. Los Angeles County/Univ. of Southern Calif., Med. Center, Dept. of Ped., Los Angeles. (566)
8. 11:00 PNEUMONIA IN INFANTS INFECTED WITH CHLAMYDIA TRACHOMATIS. Marc O. Beem, Evelyn A. Saxon (Intro. by Albert Dorfman). Univ. of Chicago, Wyler Children's Hosp., Dept. of Ped., Chicago. (567)
9. 11:15 INFLUENZA A INFECTIONS IN YOUNG, SERONEGATIVE CHILDREN. Peter F. Wright, Katherine B. Ross, Juliette Thompson, David T. Karzon. Vanderbilt Univ., School of Med., Dept. of Ped., Nashville. (623)
10. 11:30 TYMPANOMETRY IN THE DIAGNOSIS OF OTITIS MEDIA. Paul A. Shurin, Stephen I. Pelton, Jerome O. Klein. Harvard Med. School and Boston Univ., School of Med., Boston City Hosp., Dept. of Ped., Boston. (617)

INFECTIOUS DISEASE
Second Session
April 30, 1976, 9:00 A.M.

Starlight Roof

Moderators: Lowell A. Glasgow and David H. Smith

11. 9:00 SIGNIFICANCE OF PNEUMOCOCCEMIA IN FEBRILE CHILDREN NOT INITIALLY ADMITTED TO HOSPITAL. David W. Teele, Lorna Bratton, Jerome O. Klein. Depts. of Ped. Harvard Med. School, Boston Univ. School of Med. and Boston City Hosp., Boston. (622)
12. 9:15 EXPERIENCE WITH B-LACTAMASE TESTING FOR AMP^R HAEMOPHILUS INFLUENZAE. David Scheifele, Vassiliki Syriopoulou, Arnold L. Smith, David H. Smith. Children's Hosp. Med. Center, Dept. of Med., Boston. (612)
13. 9:30 VACCINE TRIAL IN MECKLENBURG COUNTY, N.C. WITH H. INFLUENZAE TYPE b (HITB) AND MENINGOCOCCAL GROUP C (MGC) CAPSULAR POLYSACCHARIDES: PROGRESS REPORT. J.C. Parke, Jr., James Schlesselman, Rachel Schneerson, John B. Robbins. Charlotte Memorial Hosp., N.C., National Institute of Child Health and Human Develop. and Bureau of Biologics, Bethesda. (607)
14. 9:45 COMPARISON OF TRIMETHOPRIM-SULFAMETHOXAZOLE (TMP-SMZ) AND PENTAMIDINE (PNT) IN THE TREATMENT OF PNEUMOCYSTIS CARINII PNEUMONITIS (PCP). Walter T. Hughes, Sandor Feldman, Subash Chaudhary, Michael J. Ossi, Shyamal K. Sanyal. St. Jude Children's Research Hosp. Infect. Dis. and Cardiopul. Services, Memphis. (591)
15. 10:00 IMPROVEMENT OF CHEDIAK-HIGASHI (C-H) LEUKOCYTE (PMN) FUNCTION BY CYCLIC GUANOSINE MONOPHOSPHATE (GMP). Laurence A. Boxer, Manfred Rister, John M. Allen, Robert L. Baehner. Dept. of Ped., Indiana Univ. Sch. of Med., James Whitcomb Riley Hosp. for Children, Indianapolis. (570)

10:15 INTERMISSION

16. 10:30 MEASLES IN PREVIOUSLY IMMUNIZED CHILDREN: VARIABLE VACCINE EFFICACY. Thomas C. Shope, Harry Downs, Michael Shasby. Wayne State Univ., Children's Hosp. of Michigan, Dept. of Ped., Detroit. (615)
17. 10:45 PRE AND POST-EXPOSURE USE OF NEW CELL CULTURE RABIES VACCINE. Stanley A. Plotkin, Tadeusz Wiktor, Ernst Kuwert, T.T. Kramer, Howard Tint. Wistar Inst., Philadelphia, Pa. Inst. Med. Virol., Essen, W. Germany, Auburn Univ., Auburn, Ala., and Wyeth Labs., Philadelphia. (609)
18. 11:00 IMMUNODEFICIENCY AND CYTOMEGALOVIRUS (CMV) INFECTION. Audra Deveikis, Anthony J. Strelkauskas, Victoria Schauf (Spon. by Ira Rosenthal). Abraham Lincoln School of Med. and School of Basic Med. Sciences, Univ. of Illinois at the Med. Center, Depts. of Ped. and Microbiol., Chicago. (579)
19. 11:15 TRANSFER FACTOR THERAPY OF ADOLESCENTS WITH CHRONIC AGGRESSIVE HEPATITIS. Stanford T. Shulman, Jack H. Hutto, Elia M. Ayoub, Dept. of Ped., Univ. of Florida, Gainesville. (616)
20. 11:30 EXPERIMENTAL SEPTICEMIA: EVALUATION OF LYSTATE TEST FOR ENDOTOXIN. James J. Corrigan, Jr., James F. Kiernat. Dept. of Ped. Univ. of Arizona Med. Ctr., Tucson. (577)

METABOLISM

First Session

April 30, 1976, 9:00 A.M.

Empire Room

Moderators: Juan F. Sotos and Howard R. Sloan

1. 9:00 EFFECT OF MATERNALLY ADMINISTERED DEXAMETHASONE AND GALACTOSE ON FETAL RAT LIVER GLYCOGEN. John W. Sparks, Almorris Lynch, Walter Glinsmann (Spon. by Norman Kretchmer). Lab. Biomed. Sci., NICHD, Bethesda. (684)
2. 9:15 GLUCOSE KINETICS IN PREMATURE RHESUS MONKEYS. W. Geoffrey Sherwood, Donald E. Hill, Graham W. Chance (Spon. by J. Richard Hamilton). The Hosp. for Sick Children, Research Inst., and Dept. of Ped., Toronto. (682)
3. 9:30 ENDOGENOUS GLUCOSE PRODUCTION DURING CONSTANT GLUCOSE INFUSION IN THE NEWBORN LAMB. Richard M. Cowett, John B. Susa, William Oh, Robert Schwartz. Brown Univ. Program in Med., Depts. of Ped., Women and Infants, Hosp. of Rhode Island and the Rhode Island Hosp., Providence. (637)

4. 9:45 BLOOD LEVELS OF GLUCONEOGENIC PRECURSORS AND RENAL GLUCONEOGENESIS IN THE FASTING BABOON NEONATE. Lynne L. Levitsky, John B. Paton, David E. Fisher, Clarence W. De Lannoy. Pritzker Sch. Med., Univ. Chicago at Michael Reese Med. Ctr., Dept. Ped., Chicago. (667)
 5. 10:00 METABOLIC EFFECTS OF SOMATOSTATIN (SRIF) IN NEWBORN LAMBS. Mark A. Sperling, Luiz A. Grajwer, Rosemary D. Leake, Delbert A. Fisher. UCLA - Harbor Gen. Hosp., Dept. of Ped., Torrance. (686)
- 10:15 INTERMISSION
6. 10:30 GLUCOSE UTILIZATION IN HYPERVISCOSITY. R.D. Leake, G.A. Chan, S. Zakauddin, M.E. Dodge, R.H. Fiser, W. Oh. UCLA School of Med., Harbor Gen. Hosp., Dept. of Ped., Torrance. (665)
 7. 10:45 CHRONIC EFFECTS OF ORAL GLUCOSE ALIMENTATION (GA) AND PORTACAVAL SHUNT (PCS) IN PATIENTS WITH GLYCOGEN STORAGE DISEASE (GSD), TYPE I. T.F. Roe, M.D. Kogut. USC School of Med., Childrens Hosp. of Los Angeles, Dept. of Ped., Los Angeles. (677)
 8. 11:00 INVESTIGATION OF NESIDIOBLASTOSIS USING SOMATOSTATIN. Harry J. Hirsch, Sherry Loo, Nancy Evans, John F. Crigler, Jr., Kenneth H. Gabbay. Dept. of Ped., Harvard Med. Sch., Boston. (656)
 9. 11:15 REGULATION OF INSULIN (IN) BINDING (B) TO CULTURED FIBROBLASTS (F) IN PRECOCIOUS AGING (PA) AND LIPOATROPHIC DIABETES (LD). Arlan L. Rosenbloom, Univ. of Florida College of Med., Dept. of Ped., Gainesville. (679)
 10. 11:30 GLYCEMIC RESPONSE FOLLOWING ALANINE INFUSION IN INFANTS OF DIABETIC MOTHERS. Robert Taylor, Philip Felig, Joseph B. Warshaw, Yale Univ. School of Med., Depts. of Ped. and Med., New Haven. (690)

METABOLISM
Second Session
April 30, 1976, 2:00 P.M.

Regency Room

Moderators: Juan F. Sotos and Howard R. Sloan

11. 2:00 DIABETIC RETINOPATHY IN CHILDREN. J.I. Malone, T.C. Van Cader, W.C. Edwards. Depts. of Ped. and Ophthal., Univ. of South Florida, College of Med., Tampa. (670)
12. 2:15 CALCIUM SUPPLEMENTATION IN NEONATES: EFFECTS ON SERUM PTH, 25 HYDROXY D AND BIOCHEMICAL VALUES. David R. Brown, I-Wen Chen, Reginald C. Tsang. Univs. of Cincinnati and Pittsburgh, Dept. of Ped. (630)

13. 2:30 PARATHORMONE (PTH) AND CALCITONIN (CT) IN PREMATURES WITH AND WITHOUT CALCIUM INFUSION. Louis David, Bernard L. Salle, Philippe J. Chopard, Denis C. Grafmeyer, (Spon. by Paul R. Swyer). Dept. Neonat., Hosp. E. Herriot and INSERM U. 34, Lyon, France. (640)
14. 2:45 PERINATAL METABOLISM OF VITAMIN D IN THE RAT. Y. Weisman, R. Sapir, A. Harell, S. Edelstein, (Spon. by A. Root). Municipal-Governmental Med. Ctr., Depts. of Ped. and Endocr., Tel-Aviv. (693)
15. 3:00 ESTROGEN EFFECT ON SERUM CALCIUM IN THE RAT. M.A. Gottuso, C.T. Nervez, R.D. Jacobs, R.J. Shott, M.L. Williams, W.H. Bergstrom. SUNY, Upstate Medical Center, Depts. of Ped. and Biochem., Syracuse. (652)

3:15 INTERMISSION

16. 3:30 INTERACTIONS OF LEAD, CALCIUM, VITAMIN D, AND NUTRITION IN LEAD-BURDENED CHILDREN. Michael Sorell, John F. Rosen, Martin Roginsky (Spon. by L. Finberg). The Albert Einstein College of Med., Montefiore Hosp. and Med. Center, Dept. of Ped., Bronx; Nassau County Med. Ctr., Dept. of Med., N.Y. (683)
17. 3:45 TAURINE IN DEVELOPMENT: IS IT ESSENTIAL IN THE NEONATE? J.A. Sturman, D.K. Rassin, G.E. Gaul. Dept. Ped. Res., Inst. for Res. in Ment. Retdn., Staten Isl., N.Y.; Dept. Ped., Mt Sinai Sch. Med., N.Y. (688)
18. 4:00 TYROSINEMIA: ASSOCIATION WITH ACUTE INTERMITTENT PORPHYRIA AND EPISODIC HYPERTENSION. Edward L. Zuroweste, C. Frederic Strife, Edward A. Emmett, Vincent N. Finelli, Helen K. Berry, (Spon. by Clark D. West). Univ. of Cincinnati College of Med. and Children's Hosp., Depts. of Ped. and Environ. Health, Cincinnati. (695)
19. 4:15 NEONATAL FAMILIAL HYPOBETALIPOPROTEINEMIA. C.J. Glueck, R.C. Tsang, M.J. Mellies, R.W. Fallat, P.M. Steiner. Univ. of Cincinnati, Coll. Med., Gen. Clin. Res. Ctr., Cincinnati. (650)
20. 4:30 CHOLESTEROL TURNOVER AND BALANCE STUDIES IN HOMOZYGOUS TYPE II CHILDREN. Guy A. Carter, William E. Connor, Ashim K. Bhattacharyya (Sponsored by Ronald M. Lauer). Univ. of Iowa Hosp., Dept. of Ped., Iowa City. (632)

MORPHOGENESIS

April 30, 1976, 2:00 P.M.

Tiara Lounge, South

Moderators: Robert L. Brent and Leonard Pinsky

1. 2:00 PATTERNS OF CELL POLARITY IN DEVELOPING LIMB. Lewis B. Holmes, Robert L. Trelstad. Harvard Med. School, Mass. Gen. Hosp., Children's Service, Boston. (705)

2. 2:15 SIZE REGULATION DURING EARLY EMBRYOGENESIS: MACROMOLECULAR SYNTHESSES IN AGGREGATED MOUSE EMBRYOS, (Intr. by Carolyn F. Piel). Univ. of Calif., San Francisco, Depts. of Growth and Develop. and Ped., San Francisco. (701)
3. 2:30 VENTRICULAR SEPTAL DEFECT AFTER REDUCTION OF BLOOD FLOW TO SIXTH AORTIC ARCHES IN CHICK EMBRYOS. Edward B. Clark, D. Richard Martini, Glenn C. Rosenquist. The Johns Hopkins Hosp., Baltimore. (700)
4. 2:45 THE MECHANISM OF DIPHENYLHYDANTOIN TERATOGENESIS. Michael L. Netzloff, Owen M. Rennert. Dept. of Ped., Univ. of Florida, Gainesville. (709)
5. 3:00 ELECTROCARDIOGRAPHIC (EKG) ABNORMALITIES IN PATIENTS WITH CLEFT LIP AND PALATE. N. Beligere, A. Hastreiter, S. Pruzansky. Abraham Lincoln School of Med., U. of Ill. Hosp., Dept. Ped., Ctr. Craniofacial Anomalies, Chicago. (697)

3:15 INTERMISSION

6. 3:30 RISK OF NEURAL TUBE DEFECTS TO 1ST COUSINS OF AFFECTED INDIVIDUALS IN A UNITED STATES POPULATION. Joann Bodurtha, Elaine H. Zackai, Mary Ames, William J. Mellman. Univ. of Pennsylvania Med. School, Children's Hosp. of Philadelphia, Depts. of Ped., Human Genet., Philadelphia. (698)
7. 3:45 RENAL AGENESIS - A GENETIC DISORDER? Jonathan Zonana, David L. Rimoin, David W. Hollister, Ralph S. Lachman, Dennis A. Sarti, Michael M. Kaback. UCLA, Harbor Gen Hosp., Depts. of Peds. and Rad., Torrance. (713)
8. 4:00 SELECTIVE MUSCLE FIBER HYPOPLASIA AND EPIPHYSEAL OSTEOLYSIS: A NEW SYNDROME. S. Castells, J.H. Sher, H.C. Anderson, S. Shafiq, S.E. Hashemi. Depts. of Ped., Pathol., Rad. and Neur., S.U.N.Y., Downstate Med. Ctr., Brooklyn. (699)
9. 4:15 A NEW FORM OF CRANIOFACIAL DYSOSTOSIS WITH HAND AND FOOT ANOMALIES. Roger L. Ladda (Spon. by Nicholas M. Nelson). Penn State Univ. Coll. Med., M.S. Hershey Med. Ctr., Dept. of Ped., Hershey. (706)
10. 4:30 A FAMILY WITH MONILETHRIX. Irene M. Gray, Annemarie Sommer, (Spon. by Stella B. Kontras). Ohio State Univ. Coll. of Med., Dept. of Ped., Div. of Genet. and Children's Hosp. Res. Foundation, Columbus. (702)

NEONATOLOGY
First Session
April 30, 1976, 9:00 A.M.

KHORASSAN ROOM

Moderators: James M. Sutherland and Stanley N. Graven

1. 9:00 ALBUMIN BINDING OF BILIRUBIN-COMPARISON OF METHODS.
Kwang S. Lee, Lawrence M. Gartner. Dept. of Ped., Albert Einstein Coll. of Med., Bronx. (755)
2. 9:15 INTRACELLULAR DNA-MODIFYING POTENTIAL OF PHOTOTHERAPY.
William T. Speck, (Intr. by Richard E. Behrman). Col. of Physicians and Surgeons, Columbia Univ. Babies Hosp., Dept. of Ped., N.Y. (790)
3. 9:30 PHOTOOXIDATION OF ESSENTIAL FATTY ACIDS: A POSSIBLE COMPLICATION OF PHOTOTHERAPY. Enrique M. Ostrea, Jr., Emilia C. Ting, Cheryl A. Gwisdalla, (Spon. by Sanford N. Cohen). Dept. of Ped., Wayne State Univ., Hutzel Hosp., Detroit. (771)
4. 9:45 EFFECT OF PHOTOTHERAPY AND NURSERY LIGHT ON NEONATAL BIORHYTHMS. Tong Soo Park, Sonia Padget, Allen W. Root, Theresa Fiorentino, Thomas R.C. Sisson. Temple Univ. School of Med., Dept. of Ped., Philadelphia. (772)
5. 10:00 LIGHT INDUCED VITAMIN DEFICIENCY IN THE NEONATE. Donald S. Gromisch, Rafael Lopez, Harold S. Cole, Jack M. Cooperman. New York Med. College, Dept. of Ped., N.Y. (740)
- 10:15 INTERMISSION
6. 10:30 EFFECTS OF PHOTOTHERAPY ON NEONATAL BEHAVIOR. David M. Snyder, Robert Telzrow, Edward Tronick, T. Berry Brazelton. Harvard Med. Sch. Dept. of Ped., Children's Hosp. Med. Center, Boston. (789)
7. 10:45 EARLY NEONATAL CONTACT: EFFECT ON GROWTH, BREASTFEEDING AND INFECTION IN THE FIRST YEAR OF LIFE. John Kennell, Marshall Klaus, Roberto Sosa, Juan Urrutia. Case Western Reserve Univ., Dept. of Ped. Cleveland Inst. of Nutrition of Central America and Panama, Guatemala. (751)
8. 11:00 THE WHITE BLOOD COUNT (WBC) IN THE DIAGNOSIS OF NEONATAL GROUP B STREPTOCOCCAL SEPSIS. B. Manroe, R. Browne, A.G. Weinberg, C.R. Rosenfeld, (Spon. by George H. McCracken). Dept. of Ped., Biomet. and Path., Univ. of Texas, Southwestern Med. School, Dallas. (760)
9. 11:15 THE EFFECT OF PREVIOUSLY ADMINISTERED ANTIBIOTICS ON THE TIME OF ONSET AND CLINICAL COURSE OF NECROTIZING ENTEROCOLITIS (NEC). Robert A. deLemos, Donald M. Null, Jr., Lawrence C. Franklin, (Spon. by M.J. Sweeney). Wilford Hall USAF Med. Center, Dept. of Ped., San Antonio. (730)

10. 11:30 A PROSPECTIVE CONTROLLED TRIAL OF ORAL KANAMYCIN PROPHYLAXIS FOR NEONATAL NECROTIZING ENTEROCOLITIS. Edmund A. Egan, Gonzalo A. Mantilla, Robert M. Nelson, Donald V. Eitzman. Univer. of Florida College of Med., Dept. of Ped., Gainesville. (733)

NEONATOLOGY
Second Session
April 30, 1976, 2:00 P.M.

Khorassan Room

Moderators: James M. Sutherland and Stanley N. Graven

11. 2:00 A NEW APPROACH TO PREDICTING THE HI-RISK NEONATE. A SCORING SYSTEM FOR INTRAPARTUM MONITORING. R.I. Stark, H. Rey, R. Dwarka, L.S. James. Coll. of Phys. & Surg., Columbia Univ., Div. of Perinatol. N.Y. (792)
12. 2:15 THE HUCH TRANSCUTANEOUS PO₂ ELECTRODE IN SICK INFANTS. Joyce L. Peabody, George A. Gregory, Mary M. Willis, William H. Tooley. Cardiovas. Research Institute and the Depts. of Ped. and Anesthesia, Univ. of Calif., San Francisco. (775)
13. 2:30 THE VARIABILITY OF PO₂ IN NEWBORN INFANTS IN RESPONSE TO ROUTINE CARE. B.C. Dangman, T. Hegyi, M. Hiatt, L. Indyk, L.S. James. Coll. of Phys. & Surg., Columbia Univ., Dept. of Ped., N.Y. (728)
14. 2:45 A NEW TECHNIQUE FOR LONG TERM ARTERIAL ACCESS IN THE HIGH RISK NEWBORN. Gregory W. Prian. Dept., of Perinatol., The Children's Hosp., Denver. (779)
15. 3:00 TREATMENT OF EARLY POSTNATAL CARDIOVASCULAR SHOCK WITH AUTOLOGOUS FETAL BLOOD TRANSFUSIONS. Charles L. Paxson, Gary L. Heaton, Eugene W. Adcock, Frank H. Morriss, (Spon. by R.R. Howell). Univ. of Texas Med. School at Houston, Dept. of Ped., Houston. (773)
- 3:15 INTERMISSION
16. 3:30 EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO) CARDIOPULMONARY SUPPORT IN THE NEWBORN. Robin Jefferies, Robert Huxtable, Susie W. Fong, Alan B. Gazzaniga, Robert H. Bartlett, (Spon. by Thomas L. Nelson). Dept. of Surg. and Ped., OCMC-Univ. Calif., Irvine. (746)
17. 3:45 NEONATAL HYPOXEMIA: TOLAZOLINE RESPONSIVENESS. B. Goetzman, P. Sunshine, J. Johnson, R. Wennberg, A. Bartoletti, A. Hackel, D. Merten. Dept. of Ped., Univ. of Calif., Davis-Sacramento Med. Center and Stanford Univ. Hosp. (739)
18. 4:00 PHYSIOLOGICAL CHANGES INDUCED BY THEOPHYLLINE IN THE TREATMENT OF APNEA IN PRETERM INFANTS. Maria Davi, Kor Sankaran, Keith Simons, Estelle Simons, Mary M. Seshia, Henrique Rigatto, Univ. of Manitoba, Dept. of Ped., Winnipeg. (729)

19. 4:15 A DEFLATION HERING-BREUER REFLEX IN THE PRETERM INFANT: A MECHANISM BY WHICH A LOW CONTINUOUS POSITIVE AIRWAY PRESSURE (CPAP) DECREASES APNEA? R. J. Martin, H. Nearman, P. Katona, M. Klaus. Case Western Reserve Univ., Dept. of Ped. and Biomed. Engineering, Cleveland. (762)
20. 4:30 INTRACRANIAL HEMORRHAGE SECONDARY TO POLYCYTHEMIA IN PUPPIES. Herbert Koffler, (Spon. by Robert E. Greenberg). Univ. of New Mexico Sch. of Med., Dept. of Ped., Albuquerque. (752)

NEPHROLOGY

First Session

April 30, 1976, 9:00 A.M.

Coach Room

Moderators: Clark D. West and Chester M. Edelmann

1. 9:00 NONCOMPLIANCE IN FEMALE ADOLESCENTS WITH KIDNEY TRANSPLANTS. Barbara M. Korsch, Richard N. Fine, Vida Francis-Negrete. Univ. of Southern Calif. Sch. of Med., Dept. of Ped., Childrens Hosp. of Los Angeles. (834)
 2. 9:15 HYPOCOMPLEMENTEMIC NEPHRITIS WITH IRREGULAR INTRAMEMBRANOUS DEPOSITS: ANOTHER VARIANT OF MEMBRANOPROLIFERATIVE GLOMERULONEPHRITIS (MPGN). A.E. Davis, E.E. Schneeberger, R.T. McCluskey, W.E. Grupe. Children's Hosp. Med. Ctr., Boston. (823)
 3. 9:30 IDIOPATHIC NONPROLIFERATIVE FOCAL NECROTIZING GLOMERULO-NEPHRITIS. Charles A. Davis, Paul T. McEnery, A. James McAdams, Clark D. West. Univ. of Cincinnati College of Med. and Children's Hosp., Dept. of Ped., Cincinnati. (824)
 4. 9:45 DEFECTIVE PHAGOCYTE ADHERENCE AS AN INDICATOR OF COMPLEMENT ACTIVATION IN GLOMERULONEPHRITIS. Edward J. Ruley, Judith Plaut, Shih-Wen Huang, (Spon. by Felix P. Heald). Univ of Maryland Sch. Med., University Hosp., Dept. of Ped., Baltimore. (849)
 5. 10:00 CHLORAMBUCIL THERAPY IN NEPHROTIC SYNDROME (NS): FREQUENT RELAPSERS AND STEROID RESISTENT. H. Jorge Baluarte, Linda Hiner, Mary L. Cote, Alan Gruskin. Dept. Ped. Temple Univ. Sch. Med., St. Christopher's Hosp. for Child., Phila., Pa. (810)
- 10:15 INTERMISSION
6. 10:30 SERUM FREE POLYAMINES (SFP) IN HUMAN DISEASE BY RADIO IMMUNOASSAY (RIA). Robert A. Campbell, Dagmar Bartos, Frantisek Bartos, Donald P. Grettie, Yeshawant B. Talwalkar, James E. Musgrave, (Spon. by Robert C. Neerhout). Dept. of Ped., Univ. of Oregon Health Sciences Center, Portland. (813)

7. 10:45 THE ORIGIN OF CYSTS IN THE RENAL TUBULE. John F. Crocker, Stephen Safe, Otto Hutzinger. Dept. Ped., Dal. Univ., Halifax, N.S.; Dept. Chem., Univ. Guelph, Guelph, Ont.; Dept. Chem., Univ. Amsterdam, Amsterdam. (819)
8. 11:00 ACTIVE JEJUNAL TRANSPORT IN AMINONUCLEOSIDE NEPHROSIS. J. Mor, R.A. Wapnir, S. Teichberg, K. Mrozinska, M. McVicar. Depts. of Ped. and Path., N. Shore Univ. Hosp., Manhasset, N.Y., and Cornell Univ. Med. Col., N.Y. (840)
9. 11:15 COPPER AND ZINC DEPLETION IN END STAGE RENAL DISEASE (ESRD). W.E. Grupe, L.E. Kopito, J.M. Lazarus, J.A. Brown. Children's Hosp. Med. Ctr., Boston. (828)
10. 11:30 URINARY LDH ISOENZYME 5 EXCRETION IN EXPERIMENTAL PYELONEPHRITIS. Robert J. Cunningham, III, Hugo F. Carvajal, Richard B. Passey, (Spon. by Luther B. Travis). Univ. of Texas Med. Br. and Shriners Burns Inst., Depts. of Ped. and Path., Galveston. (820)

NEPHROLOGY
Second Session
April 30, 1976, 2:00 P.M.

Coach Room

Moderators: Clark D. West and Chester M. Edelmann

11. 2:00 STRUCTURAL RELATIONSHIPS BETWEEN METABOLISM AND TRANSPORT OF PROLINE IN THE NEPHRON. Olli Simell, Charles Scriver, Fazl Mohyuddin. MRC Gent. Group, McGill Univ.-Montreal Children's Hosp. Research Institute, Montreal. (856)
12. 2:15 THE EFFECT OF PTH ON RENAL TUBULAR PERMEABILITY. William B. Lorentz, Jr. Dept. of Ped., Bowman Gray School of Med., Winston-Salem. (838)
13. 2:30 PLASMA CREATININE (Pcr) AND ITS USE IN ESTIMATING GLOMERULAR FILTRATION RATE (GFR) IN CHILDREN. George B. Haycock, George J. Schwartz, Chester M. Edelmann, Jr., and Adrian Spitzer. Albert Einstein Col. of Med., Bronx, New York. (829)
14. 2:45 ENDOGENOUS NET ACID PRODUCTION IN INFANTS, CHILDREN AND ADULTS. Jose R. Salcedo, Margaretia L. Jackson, Thomas H. Coleman, David D. Rao, James C.M. Chan, (Spon. by Gordon Avery). George Washington Univ.-Children's Hosp., Nat. Med. Ctr., Washington, D.C. (852)
15. 3:00 PROTEIN CATABOLISM IN NORMAL AND UREMIC RATS. Steven J. Wassner, Sheldon Orloff, Malcolm A. Holliday. Dept. of Ped., Univ. of Calif., San Francisco. (861)

3:15 INTERMISSION

16. 3:30 NEONATAL RENOVASCULAR HYPERTENSION (NRH). A NON-SURGICAL APPROACH. R. Adelman, B. Goetzman, J. Vogel, R. Wennberg, D. Merten. Univ. of Calif., Davis, School of Med., Depts. of Ped. & Nuclear Med. (799)
17. 3:45 INTERRELATIONSHIP BETWEEN GLOMERULAR FILTRATION RATE AND RENAL TRANSPORT OF SODIUM AND CHLORIDE DURING FETAL LIFE. J. Robillard, C. Sessions, L. Hamel-Robillard, F.G. Smith, Jr. Univ. of Iowa, Dept. of Ped., Iowa City, and Univ. of Montreal, Dept. of Ped., Montreal. (847)
18. 4:00 THE EFFECT OF GESTATIONAL AGE AND ARTERIAL PRESSURE ON RENAL FUNCTION IN UTERO. Ellis E. Chung, Eddie S. More, Eduardo E. Cevallos, Margarita Ocampo, Elizabeth Lyons. Univ. of Chicago at Michael Reese Med. Ctr., Chicago. (817)
19. 4:15 RENAL RESPONSE IN THE FETAL LAMB TO COMPLETE OCCLUSION OF THE UMBILICAL CHORD. S.S. Daniel, K.M. Husain, R.I. Stark, J. Milliez, M-N Yeh, L.S. James. Coll. of Phys. & Surg., Columbia Univ., Div. of Perinatol., N.Y. (822)
20. 4:30 EFFECTS OF RESPIRATORY DISTRESS ON RENAL FUNCTION IN THE PIGLET. Charles T. Alward, Michael D. Bailie, Jerry B. Hook. Michigan State Univ., Coll. of Human Med., East Lansing. (802)

NEUROLOGY

April 30, 1976, 2:00 P.M.

Stockholm Room

Moderators: Jean H. Thurston and John F. Griffith

1. 2:00 TRICHOPOLIODYSTROPHY (TPD): A FETAL DISORDER OF COPPER (Cu) METABOLISM. Warren D. Grover, Robert I. Henkin, (Spon. H.W. Baird). Temple U. School of Med., St. Christopher's Hospital for Child., Dept. of Ped. & Neurol., Phila. and Georgetown U. Med. Center, Dept. of Molecular Nutrition & Sensory Disorders, Washington, D.C. (883)
2. 2:15 ATYPICAL PKU, SEIZURES, AND DEVELOPMENTAL DELAY WITH DIHYDROPTERIDINE REDUCTASE DEFICIENCY. Thomas G. Brewster, Israel F. Abrams, Seymour Kaufman, Jan L. Breslow, Michael A. Moskowitz, Dorothy B. Villee, Robert S. Snodgrass. Depts. Ped. and Neurol. Harvard Med. School, Boston, Lab. Neurochem. NIMH, Bethesda. (872)
3. 2:30 PROLONGED CONTINUOUS MONITORING OF CEREBRAL VENTRICULAR PRESSURE IN STAGE 4 REYE SYNDROME. Bennett A. Shaywitz, John M. Leventhal, Michael S. Kramer. Yale Univ. Sch. of Med., Dept. of Ped., New Haven. (903)

4. 2:45 INTRACRANIAL PRESSURE MEASUREMENTS IN NEWBORNS USING A NONINVASIVE TECHNIQUE. D. Vidyasagar, T.N.K. Raju. Abraham Lincoln School of Med., Univ. of Ill. Hosp., Dept. of Ped., Chicago. (907)
 5. 3:00 EVALUATION OF INFANTS WITH BLOODY SPINAL FLUID USING COMPUTERIZED TOMOGRAPHIC (CT) BRAIN SCAN. Kalpathy S. Krishnamoorthy, Raymond A. Fernandez, K. Jack Momose, G. Robert De Long, Daniel C. Shannon. Harvard Med. School, Mass. Gen. Hosp., Children's Service, Depts. of Neurol. and Radiol., Boston. (890)
- 3:15 INTERMISSION
6. 3:30 SEQUELAE OF NEONATAL HYPERVISCOSITY. Karen E. Goldberg, Lula O. Lubchenco, Mary A. Guggenheim. Univ. Colo. Med. Ctr., Div. Perinatal Med., Denver. (881)
 7. 3:45 KERNICTERUS IN PREMATURES ASSOCIATED WITH NEUROTOXIC BILIRUBIN. Jay P. Goldsmith, Glenn W. Waterkotte, Montgomery C. Hart, (Spon. by William J.R. Daily). Div. of Reproductive Med., St. Joseph's Hosp., Phoenix. (882)
 8. 4:00 SEIZURES IN A NEONATAL INTENSIVE CARE UNIT: A PROSPECTIVE STUDY. Richard Marshall, Michael Sheehan, Marilyn Escobedo, Pra-On Chavalitdhamrong, Joseph Volpe, (Intr. by R.E. Hillman). Depts. of Ped. and Neurol., Washington Univ. Sch. Med., St. Louis. (893)
 9. 4:15 RISKS TO THE OFFSPRING OF WOMEN TREATED WITH HYDANTOINS DURING PREGNANCY. James W. Hanson, Ntinos C. Myriantopoulos, Mary Ann S. Harvey, David W. Smith. Dept. of Ped., Univ. of Washington Sch. of Med., Seattle; National Inst. of Neurol. and Communicative Disorders and Stroke, Bethesda. (886)
 10. 4:30 LEAD ENCEPHALOPATHY: A CONSEQUENCE OF CAPILLARY DYSFUNCTION. Joseph A. Kochen, Yigal Greener. Albert Einstein Coll. of Med., Montefiore Hosp. & Med. Ctr., Dept. of Ped., Bronx. (887)

ONCOLOGY

April 29, 1976, 9:00 A.M.

Stockholm Room

Moderators: Beatrice C. Lampkin and Joseph V. Simone

1. 9:00 CHILDHOOD CANCER (CC) IN SIBLINGS. Anna T. Meadows, Frederick P. Li, Louise C. Strong, Odile Schweisguth, Edward S. Baum, (Spon. by Warren Nichols). Children's Hosp. of Philadelphia; Sidney Farber Cancer Center, Boston; M.D. Anderson Hosp., Houston; Institut Gustave-Roussy, Villejuif, France; Children's Mem. Hosp., Chicago. (924)

2. 9:15 RENAL TOXICITY OF HIGH-DOSE METHOTREXATE. D.A. Link, M.T. Fosburg, J.R. Ingelfinger, J.S. Tobias, N. Jaffe, (Spon. by W.E. Grupe). Children's Hosp. Med. Ctr., Boston. (923)
 3. 9:30 ECHOCARDIOGRAPHIC EVALUATION OF ADRIAMYCIN CARDIOMYOPATHY IN CHILDREN. Agustin Ramos, Richard A. Meyer, Joan Korfhagen, Kwan Yuen Wong, Samuel Kaplan. Univ. of Cincinnati, Children's Hosp., Dept. of Ped., Cincinnati. (930)
 4. 9:45 ECHOCARDIOGRAPHIC ASSESSMENT OF LEFT VENTRICULAR FUNCTION IN CHILDREN RECEIVING ADRIAMYCIN (ADR) OR DAUNORUBICIN (DNR). Angela C. Gilladoga, Charlotte T. C. Tan, M. Lois Murphy, Howard Thaler. Memorial Sloan Kettering Cancer Center. Dept. of Ped., N.Y. (913)
 5. 10:00 CHANGING ERYTHROCYTE CLONES IN JUVENILE CHRONIC MYELOID LEUKEMIA. George J. Dover, Samuel H. Boyer, William H. Zinkham. Johns Hopkins Univ. Sch. of Med., Dept. of Ped., Baltimore. (911)
- 10:15 INTERMISSION
6. 10:30 IN VITRO CHARACTERISTICS OF CHILDHOOD LEUKEMIC MONOBLASTS. Robert M. Weetman, Robert R. Chilcote, W. Joseph Rierden, Robert L. Baehner. Dept. of Ped., J.W. Riley Hosp. for Children, Indiana Univ. Sch. of Med., Indianapolis. (932)
 7. 10:45 NEUROBLASTOMA IN INFANTS UNDER A YEAR OF AGE: THE VALUE OF THERAPY. Alexander A. Green, F. Ann Hayes, (Spon. by Joseph Simone). St. Jude Children's Research Hosp., Div. of Hematology-Oncology and Immunol., Memphis. (915)
 8. 11:00 QUALITY OF SURVIVAL IN HISTIOCYTOSIS X. D. Komp, A. El-Mahdi, K. Starling, J. Easley, T. Vietti, D. Berry, S. George. The Southwest Oncology Group, Ped. Div., Charlottesville, Houston, Little Rock and St. Louis. (922)
 9. 11:15 DETECTION OF SARCOMA VIRUS SPECIFIC RNA TRANSCRIPTION IN CELLS TRANSFORMED BY USUALLY NONTRANSFORMING RNA LEUKEMIA TYPE C VIRUSES: A MODEL FOR LEUKEMOGENESIS. Paul T. Peebles, Edward M. Scolnick, Richard S. Howk, (Spon. by Michael R. Blaese). National Cancer Institute, Bethesda. (929)
 10. 11:30 TERMINAL DEOXYNUCLEOTIDYL TRANSFERASE (TdT) IN CHILDHOOD MALIGNANCY. Martha F. Greenwood, Mary S. Coleman, John J. Hutton, Beatrice C. Lampkin, Fred J. Bollum, Phillip Holland. Univ. of Ky. Med. Sch., Depts. of Ped., Med., Biochem., Lexington and Children's Hosp. Res. Fndn., Cincinnati. (916)

PULMONOLOGY
First Session
April 29, 1976, 9:00 A.M.

Khorassan Room

Moderators: William H. Tooley and H. William Taeusch

1. 9:00 EVIDENCE FOR LOWER AIRWAY CHEMO RECEPTORS IN NEWBORN LAMBS. Paul Johnson, Andrew Wilkinson, Richard Harding, Mary McClelland, (Spon. by George A. Gregory). Nuffield Institute for Med. Research, Oxford. (966)
2. 9:15 THE EFFECTS OF STABILIZATION OF THE RIB CAGE ON RESPIRATION IN PRE-TERM INFANTS. Ronald Hagan, A. Charles Bryan, M. Heather Bryan, Gordon Gulston. Research Institute, Hosp. for Sick Children, Toronto. (959)
3. 9:30 THE ADEQUACY OF RESPIRATORY COMPENSATION TO INCREASED LUNG VOLUME IN THE INFANT. Ann R. Stark, Elizabeth R. Brown, Ivan D. Frantz, III, (Spon. by H.W. Taeusch, Jr.). Dept. of Ped., Harvard Med. Sch., Boston. (1002)
4. 9:45 CENTRAL NERVOUS SYSTEM ORIGIN OF ASPHYXIAL RESPIRATORY FAILURE IN NEWBORN RABBITS. Edward E. Lawson, Bradley T. Thach, (Spon. by Mary Ellen Avery). Dept. of Ped., Harvard Med. Sch., Boston. (972)
5. 10:00 EFFECT OF HYPEROXIA ON SUPEROXIDE DISMUTASE (SOD) ACTIVITY IN NEONATAL ANIMALS: IMPLICATIONS IN O₂ THERAPY OF HYALINE MEMBRANE DISEASE (HMD) AND BRONCHOPULMONARY DYSPLASIA (BPD). Lee Frank, Anne P. Autor, Robert J. Roberts. Univ. of Iowa, Depts. of Ped. and Pharmacol., Iowa City. (955)
- 10:15 INTERMISSION
6. 10:30 NEONATAL LUNG DEFENSE MECHANISMS. M. Sherman, E. Goldstein, W. Lippert, R. Wennberg. Depts. of Ped. and Med., School of Med. Univ. of California, Davis. (998)
7. 10:45 THE EFFECT OF OXYGEN ON TRACHEOBRONCHIAL SECRETION OF LYSOZYME IN NEWBORN INFANTS. Osvaldo Stoliar, Avroy Fanaroff, Thomas Boat. Case Western Reserve Univ. Sch. of Med., Depts. of Ped. and Reproductive Biol., Cleveland. (1003)
8. 11:00 EARLY MECHANICAL VENTILATION IN RDS WITH A PROLONGED INSPIRATION. F.L. Mannino, B.H. Feldman, G.P. Heldt, N.A. DeLue, J.E. Wimmer, M.A. Fletcher, L. Gluck. Univ. of Calif., San Diego, Dept. of Ped., La Jolla. (976)
9. 11:15 SELECTIVE BRONCHIAL INTUBATION FOR THE TREATMENT OF SEVERE LOCALIZED INTERSTITIAL EMPHYSEMA. John G. Brooks, Beverly L. Koops, Saskia Hilton, Richard L. Wesenberg, Michael A. Simmons, (Spon. by Ernest K. Cotton). Dept. of Ped., Univ. of Colorado Sch. of Med., and Denver Children's Hosp., Denver. (944)

10. 11:30 PULMONARY FUNCTION ABNORMALITIES IN SYMPTOM FREE CHILDREN 10 YEARS AFTER BRONCHIOLITIS. Meyer Kattan, Tom Keens, Jean-Guy Lapierre, Henry Levison, B.J. Reilly. Research Institute, Hosp. for Sick Children, Toronto. (968)

PULMONOLOGY
Second Session
April 30, 1976, 9:00 A.M.

Chase Club

Moderators: William H. Tooley and H. William Taesch

11. 9:00 MONITORING OF ESOPHAGEAL PRESSURE FOR THE DETERMINATION OF OPTIMAL CPAP. B.W. Bonta, L. Weksler, J.B. Warshaw, E.K. Motoyama. Yale Univ. Sch. of Med., Dept. of Ped. and Anesthesiology, New Haven. (942)
12. 9:15 FLOW-VOLUME RELATIONSHIP AT LOW LUNG VOLUMES IN HEALTHY TERM INFANTS. Saul M. Adler, (Spon. by L.A. Barnes). Univ. of South Florida, Dept. of Ped., Tampa, Fla., and Mary Ellen Wohl, Harvard Med. School, Children's Hosp. Med. Ctr., Boston. (934)
13. 9:30 LUNG FLUID AND PROTEIN TRANSPORT IN AWAKE NEWBORN LAMBS AND ADULT SHEEP. Richard D. Bland, Douglas D. McMillan, (Spon. by Phillip L. Ballard). Cardiovascular Research Institute, Dept. of Ped., Univ. of Calif., San Francisco. (940)
14. 9:45 GLUCOCORTICOID BINDING BY LUNG CYTOSOL AND ISOLATED TYPE 2 EPITHELIAL CELLS OF ADULT RAT. Philip L. Ballard, J. Patricia Granberg, William H. Douglas. Spec. Center of Res. in Pulm. Dis., Cardiovas. Res. Inst. and Dept. of Ped., Univ. of Calif., San Francisco and W.A. Jones Cell Science Center, Lake Placid, N.Y. (936)
15. 10:00 ENHANCED FETAL ERYTHROCYTE CARBONIC ANHYDRASE ACTIVITY BY STEROIDS. Victor Chernick, Brigitte Loesebrink, Brian J. Russell. Dept. of Ped., Univ. of Manitoba and Health Sciences Centre, Winnipeg. (948)

10:15 INTERMISSION

16. 10:30 ALTERATIONS IN TRACHEAL PHOSPHOLIPID COMPOSITION DURING RDS. Michael Obladen, T. Allen Merritt, Louis Gluck. Univ. of Calif., San Diego, Dept. Ped., La Jolla. (984)
17. 10:45 MECHANISM FOR PILOCARPINE-INDUCED SECRETION OF PULMONARY SURFACTANT (S) IN FETAL RABBITS. Anthony J. Corbet, Phyllis K. Flax, Arnold J. Rudolph (Spon. by Murdina M. Desmond). Dept. of Ped., Baylor College of Med., Houston. (949)

18. 11:00 COMBINED OBSTETRICAL AND PEDIATRIC MANAGEMENT OF MECONIUM STAINING. Bonita S. Carson, Rosaline W. Losey, Watson A. Bowes, Jr., Michael A. Simmons, (Spon. by Frederick C. Battaglia). Univ. of Colo. Med. Ctr., Dept. of Ped., Denver. (946)
19. 11:15 ANTENATAL REDUCTION OF SURFACTANT PHOSPHATIDYLGLYCEROL (PG) IN INFANTS OF DIABETIC MOTHERS (IDM) WITH RESPIRATORY DISTRESS (RD). M. Douglas Cunningham, J. Michael Greene, Sue A. Thompson, Nirmala S. Desai, (Spon. by C. Charlton Mabry). Albert B. Chandler Med. Ctr., Univ. of Kentucky, Dept. of Ped., Lexington. (952)
20. 11:30 DEVELOPMENTAL STUDIES OF PULMONARY ALVEOLAR SEPTAL ELASTIN IN FETAL LAMBS. J.M. Cerreta, R.I. Stark, S. Keller, L.S. James, I. Mandl, J.A. Fierer. Coll. of Phys. & Surg., Columbia Univ., Div. of Perinatol., N.Y. (947)