

THE AMERICAN PEDIATRIC SOCIETY

and

THE SOCIETY FOR PEDIATRIC RESEARCH

Combined

Program and Abstracts

The Hilton Hotel

Denver, Colorado

April 16-19, 1975

THE AMERICAN PEDIATRIC SOCIETY
85th Annual Meeting

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THE SOCIETY FOR PEDIATRIC RESEARCH
45th Annual Meeting

OFFICERS

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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

JOINT MEETING OF THE AMERICAN ACADEMY
OF PEDIATRICS, THE AMERICAN PEDIATRIC SOCIETY
AND THE SOCIETY FOR PEDIATRIC RESEARCH

Recent Research Advances
Grand Ballroom, Hilton Hotel
Wednesday, April 16, 1975

Chairman:	Delbert A. Fisher
2:00 PM	Lipids and Life Expectancy Robert Levy
2:40 PM	Intrauterine Diagnosis Michael Kaback
3:20 PM	New Perspectives in Cancer Chemotherapy Alvin Mauer
4:00 PM	Coffee Break
4:15 PM	Immunotherapeutic Advances Charles August
4:55 PM	Non-invasive Techniques for Cardiac Diagnosis William Friedman

All persons attending the APS-SPR Meetings are invited to attend this symposium and will be admitted upon display of their registration badge

1975 ANNUAL PEDIATRIC MEETINGS

<p>THURSDAY April 17 9:00 A.M.</p> <p>APS Presidential Address</p> <p>Symposium on Immunogenetics and Cancer</p> <p>Grand Ballroom p. 8</p>	<p>FRIDAY April 18 9:00 A.M.</p> <p>Subspecialty Sessions I</p>	<p>SATURDAY April 19 9:00 A.M.</p> <p>Subspecialty Sessions II</p>
<p>12:00 - 1:00</p> <p>Journal of Pediatrics Educational Foundation Lecture</p> <p>MECHANISM AND REGULATION OF HEMOGLOBIN BIOSYNTHESIS W. French Anderson Molecular Hematology Branch National Institutes of Health</p> <p>Grand Ballroom</p>	<p>12:00 - 1:00</p> <p>Journal of Pediatrics Educational Foundation Lecture</p> <p>MEMBRANE STRUCTURE AND FUNCTION F. J. Singer Dept. of Biology Univ. of Calif. at San Diego</p> <p>Grand Ballroom</p>	<p>12:00 - 1:00</p> <p>Journal of Pediatrics Educational Foundation Lecture</p> <p>MEMBRANE STRUCTURE AND FUNCTION F. J. Singer Dept. of Biology Univ. of Calif. at San Diego</p> <p>Grand Ballroom</p>
<p>1:45 P.M.</p> <p>APS Plenary Session + Howland Award</p> <p>Grand Ballroom p. 9</p>	<p>2:00 P.M.</p> <p>SPR Presidential Address + Plenary Session</p> <p>Grand Ballroom p. 10</p>	<p>2:00 P.M.</p> <p>Subspecialty Sessions III</p>

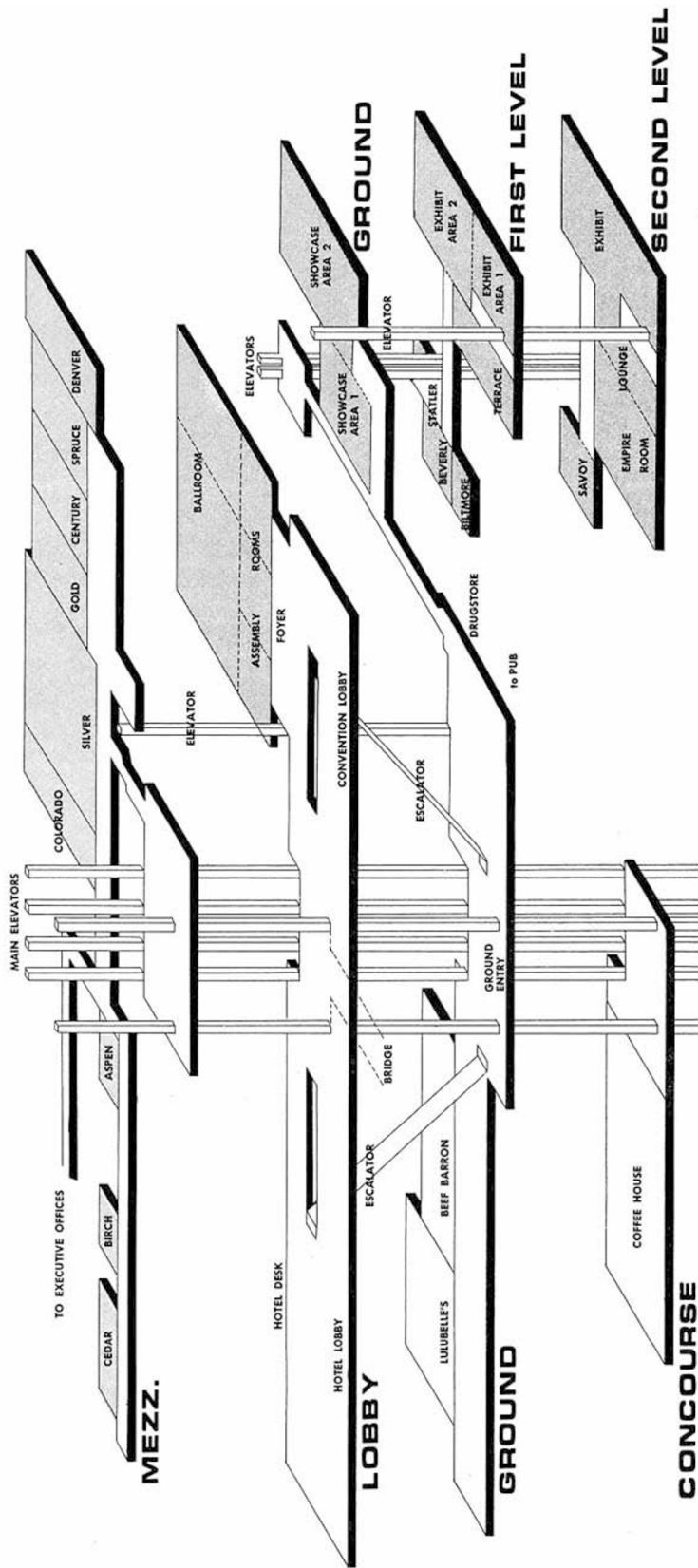
BUSINESS MEETINGS
(Members Only)

AMERICAN PEDIATRIC SOCIETY: 5 P.M., Thursday, April 17, Grand Ballroom

SOCIETY FOR PEDIATRIC RESEARCH: 8 A.M., Friday, April 18, Junior Ballroom
5 P.M., Friday, April 18, Grand Ballroom

SUBSPECIALTY SESSION SCHEDULE
(See Floor Plan on next page)

Subspecialty Session I Friday, April 18, 9:00 A.M.	Subspecialty Session II Saturday, April 19, 9:00 A.M.	Subspecialty Session III Saturday, April 19, 2:00 P.M.
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Cardiology I (Exhibit Area 1B) p. 13	Epidemiology (Gold Room) p. 22	Endocrinology II (Empire Room) p. 20
Developmental Pharmacology (Terrace Room) p. 18	Developmental Biology I (Denver Room) p. 15	Genetics II (Assembly Room II) p. 27
Endocrinology I (Empire Room) p. 19	Gastroenterology & Enzymology II (Spruce & Century Rooms) p. 24	Hematology II (Silver Room) p. 29
Gastroenterology & Enzymology I (Assembly Room II) p. 23	Hematology I (Silver Room) p. 28	Immunology II (Assembly Room III) p.32
Genetics I (Spruce & Century Rooms) p. 26	Infectious Disease II (Empire Room) p. 34	Metabolism II (Terrace Room) p. 37
Infectious Disease I (Junior Ballroom) p. 33	Metabolism I (Terrace Room) p. 36	Morphogenesis (Gold Room) p. 38
Immunology I (Assembly Room III) p. 31	Neonatology I (Junior Ballroom) p. 39	Nephrology II (Beverly Room) p. 43
Oncology (Silver & Gold Rooms) p. 46	Nephrology I (Beverly Room) p. 42	Neonatology II (Junior Ballroom) p. 41
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THE AMERICAN PEDIATRIC SOCIETY

April 17, 1975, 9:00 A.M.

Grand Ballroom

Presidential Address: Horace L. Hodes

SYMPOSIUM ON IMMUNOLOGIC
AND GENETIC ASPECTS OF CANCER

- 9:30 GENETIC ASPECTS OF NEOPLASIA
Alfred G. Knudson, Jr., Department of Medical Genetics,
University of Texas Health Sciences Center, Houston
- 10:00 DEREPRESSION OF TUMOR ASSOCIATED FUNCTIONS
George Acs, Department of Pediatrics, Mount Sinai
School of Medicine, New York City
- 10:30 INTERMISSION
- 10:40 SURFACE ANTIGENS OF NEOPLASTIC CELLS
Satvir S. Tevethia, Department of Pathology, Tufts
University School of Medicine, Boston
- 11:10 ROLE OF CELLULAR IMMUNITY IN NEOPLASIA
Philip R. Glade, Department of Pediatrics,
University of Miami School of Medicine
- 11:40 SUMMARY
Kurt Hirschhorn, Division of Medical Genetics, Department
of Pediatrics, Mount Sinai School of Medicine,
New York City
- 11:50 ROUND TABLE DISCUSSION

THE AMERICAN PEDIATRIC SOCIETY

April 17, 1975, 1:45 P.M.

Grand Ballroom

PRESENTATION OF THE HOWLAND AWARD TO HARRY H. GORDON BY BARTON CHILDS

PLENARY SESSION

MODERATOR: Edward L. Pratt

2:30 T LYMPHOCYTE DEPLETION IN FAMILIAL LEUKEMIA. Renner S. Anderson, John H. Kersey, Peter E. Coccia, Mark E. Nesbit, Jaroslav Cervenka, Edmond Yunis, William Krivit. Univ. of Mn. Sch. of Med., Depts. of Ped., Lab Med. & Oral Path., Minneapolis. (326)

2:50 ACCUMULATION OF INOSINE TRIPHOSPHATE IN RBC - A DOMINANTLY INHERITED BIOCHEMICAL TRAIT. Christian Soder, J. Frank Henderson and Ernest McCoy, Cancer Research Unit and Dept. of Ped., Univ. of Alberta, Edmonton, Alberta. (592)

3:10 INTERMISSION

3:25 GRANULOPOIESIS IN CHILDHOOD APLASTIC ANEMIA. Abdelsalam H. Ragab, Ellen Gilkerson, William M. Crist, Elna T. Phelan and Martha Myers. (Introduced by Philip R. Dodge). Washington University Medical School, St. Louis Children's Hospital, Department of Pediatrics, St. Louis. (412)

3:45 THE EFFECT OF EGF ON FETAL LAMB LUNG MATURATION. Hakan Sundell, Fredrik Serenius, Pierre Barthe, Zvi Friedman, Keith S. Kanarek, Marilyn B. Escobedo, David N. Orth & Mildred T. Stahlman, Dept. of Ped. and Med., Vanderbilt Med. Sch., Nashville, Tn. (687)

4:05 RISK OF ACQUIRED CYTOMEGALOVIRUS (CMV) INFECTION IN INFANTS OF MATERNAL CMV EXCRETORS. Mary L. Kumar, Eli Gold and George A. Nakervis. Dept. of Ped., Case Western Reserve, Cleveland. (512)

4:25 IMMUNOLOGIC AND VIROLOGIC STUDIES IN POST-CARDIOTOMY SYNDROME: Mary Allen Engle, John B. Zabriskie, Daniel Tay, Paul A. Ebert and Laurence D. Senterfit. Depts. of Ped., Microbiology and Surg., Cornell Univ. Med. Center and Rockefeller University, N.Y.C.

THE SOCIETY FOR PEDIATRIC RESEARCH

Journal of Pediatrics
Educational Foundation Lectures

April 18, 12:00 Noon, Grand Ballroom

MECHANISM AND REGULATION OF HEMOGLOBIN BIOSYNTHESIS

W. French Anderson
Molecular Hematology Branch
National Institutes of Health

April 19, 12:00 Noon, Grand Ballroom

MEMBRANE STRUCTURE AND FUNCTION

F. J. Singer
Department of Biology
University of California at San Diego

April 18, 1975, 2:00 P.M.

Plenary Session

Grand Ballroom

Presidential Address: Robert E. Greenberg

1. 2:30 DIFFERENTIAL BINDING OF EPIDERMAL GROWTH FACTOR TO NORMAL AND VIRALLY-TRANSFORMED HUMAN AND MOUSE FIBROBLASTS IN CULTURE. Roger Ladda and Robert Hoffman (Introduction by Nicholas Nelson). The Pennsylvania State Univ. Col. of Med., Hershey. (129)
2. 2:45 ONTOGENY OF DIFFERENTIATION CAPACITY OF B LYMPHOCYTES IN MAN. L. Y. Frank Wu, Alfredo Blanco, and Alexander R. Lawton. Spain Immunology Labs., Depts. of Pediatrics and Microbiology, Univ. of Ala., Birmingham. (481)
3. 3:00 CORRELATION OF FETAL LECITHIN SYNTHESIS AND THE AMNIOTIC FLUID (AF) L/S RATIO IN PRIMATES. Michael F. Epstein, Philip M. Farrell and Jane Willison, NICHD, NIH, Bethesda. (117)
4. 3:15 PRESSURE-FLOW RELATIONSHIPS IN THE UTERINE AND UMBILICAL CIRCULATIONS IN THE SHEEP. William Berman, Jr., Robert C. Goodlin, Michael A. Heymann, Abraham M. Rudolph. Univ. of California, San Francisco, Dept. of Ped. and Cardiovascular Research Institute. (40)

5. 3:30 ANTIBODY PRODUCTION BY HUMAN COLOSTRUM CELLS. Randall M. Goldblum, Stephan Ahlstedt, Barbara Carlsson and Lars A. Hanson. Department of Pediatrics, The University of Texas Medical Branch, Galveston, Institute of Medical Microbiology, Gateborg. (440)

3:45 INTERMISSION

6. 3:55 THEOPHYLLINE TREATMENT FOR LOW-BIRTH WEIGHT INFANTS WITH APNEA. Daniel C. Shannon, Felicita Gotay, Israel M. Stein, Mark C. Rogers, I. David Todres, Fergus M. B. Moylan. Harvard Med. Sch., Mass. Gen. Hosp., Depts. of Ped. and Anesth., Boston. (684)
7. 4:10 DEVELOPMENTAL ASSESSMENT OF CHILDREN WITH CYTOMEGALOVIRUS (CMV) IgM ANTIBODY IN THE CORD BLOOD. James B. Hanshaw, Albert P. Scheiner, Ann Moxley, Lilly Gaev, and Vaudeen Abel, Dept. of Ped., Univ. Rochester Sch. Med., Rochester, N.Y. (15)
8. 4:25 THE DEFINITION OF A CELLULAR DEFECT IN TWO PATIENTS WITH COCKAYNE SYNDROME. Roy D. Schmickel, Ernest H. Y. Chu, and James Troska. Univ. of Michigan Med., Sch., Depts. of Ped. and Human Genetics and Michigan State Univ., Dept. of Human Development, Ann Arbor and East Lansing. (366)
9. 4:40 ENZYME REPLACEMENT THERAPY: IN VIVO FATE OF NATIVE, ERYTHROCYTE- AND LIPOSOME-ENTRAPPED B-GLUCURONIDASE. Robert J. Desnick, Morris B. Fiddler, Lynn D. Steger, Dale A. Cumming, Carolyn D. Dullum and Suzanne R. Thorpe, Dept. of Ped. and Lab. Med., Univ. of Minnesota Med. Sch., Minneapolis. (336)
10. 4:55 PRENATAL AND POSTNATAL METHYLMERCURY POISONING IN MOUSE AND MAN. Richard A. Doherty and Allen H. Gates (Intr. by Robert H. Schwartz). Univ. Rochester Sch. Med., Dept. Ped., Radiation Biology/Biophysics, Div. Genetics, Rochester, New York. (156)

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

April 18 and 19, 1975
Behavioral Sciences and Health Studies
April 18, 1975, 9:00 A.M.
Beverly Room

Moderator: Henry Kempe

1. 9:00 PEER REVIEW OF AMBULATORY CHILD HEALTH CARE. Hugh C. Thompson and Charles E. Osborne, Dept. Ped., Univ. of Ariz. Col. of Med., and Acad. of Ped., Evanston, Ill. (Introduced by Vincent A. Fulginiti). (35)

2. 9:15 CARE OF THE LOW BIRTH WEIGHT AND SICK NEWBORN INFANT IN COMMUNITY HOSPITALS. M. Jeffrey Maisels, Sarah Fernsler, Kathleen Gifford, Richard J. Hildebrandt (Intr. by Nicholas M. Nelson). Penn State Univ. Col. of Med., M. S. Hershey Med. Ctr., Dept. of Ped., Ob/Gyn., Hershey, Pa. (27)
3. 9:30 THE EFFECT OF EARLY SKIN TO SKIN CONTACT ON MATERNAL BEHAVIOR AT TWELVE HOURS. Hales, D., Kennell, J., Klaus, M., Matta, L., Sosa, R., Urrutia, J. CWRU Dept. of Pediatrics, Cleveland, Instituto De Nutrition De Centro America y Panama, Guatemala. (13)
4. 9:45 DIFFERENTIATION OF ENVIRONMENTAL FROM ORGANIC FAILURE TO THRIVE. Daniel W. Rosenn, Lorraine Stein, Martha B. Jura, (Intr. by Mary Ellen Avery) Harvard Univ. Med. Sch., The Children's Hosp. Med. Ctr., Dept. of Ped., Boston. (31)
5. 10:00 PATTERNS OF VISUAL FIXATION IN THE HIGH RISK INFANT. Judith Zarin-Ackerman, Michael Lewis and John M. Driscoll, Jr. (Intr. by L. S. James). Coll. of Physicians and Surgeons, Columbia University, Div. of Perinatology, N.Y.C. (37)

10:15 INTERMISSION

6. 10:30 THE PRESCREENING DEVELOPMENTAL QUESTIONNAIRE (PDQ). William K. Frankenburg, William J. van Doorninck, Theresa N. Liddell and Nathan P. Dick. University of Colorado School of Medicine, Dept. of Ped., Denver, Colorado. (10)
7. 10:45 ELIMINATION OF SELF-MUTILATION IN LESCH-NYHAN DISEASE. Lowell T. Anderson, Lenora Herrmann, Murray Alpert and Joseph Dancis. N.Y. Univ. Sch. Med., Dept. Psychia. & Ped., N.Y. (2)
8. 11:00 PSYCHOLOGICAL ISSUES IN BONE MARROW TRANSPLANTATION (BMT). G. Gail Gardner, Charles S. August and John H. Githens. Univ. of Colo. Sch. of Med., Denver. (11)
9. 11:15 EARLY MOTHER-INFANT RECIPROCITY. T. Berry Brazelton, Edward C. Tronick, Lauren B. Adamson, Heidelise Als (Intr. by Mary Ellen Avery). Harvard University Medical School, The Children's Hospital Medical Center, Department of Pediatrics, Boston. (6)
10. 11:30 IS PARENTAL CONTACT WITH INFANTS IN THE NEONATAL INTENSIVE CARE UNIT REALLY A GOOD IDEA? Rita G. Harper, Concepcion Sia and Sondra Sokal. Depts. of Ped. and Ob/Gyn., North Shore Univ. Hosp., Manhasset, N.Y., and Depts. of Ped. and Ob/Gyn., Cornell Univ. Med. Coll., N.Y. (Introduced by Fima Lifshitz). (16)

CARDIOLOGY

First Session
April 18, 1975, 9:00 A.M.

Exhibit Area 1B

Moderator: David Baum

1. 9:00 THE PRE-AND POST OPERATIVE RESPONSE OF VENTILATION TO ACUTE HYPOXIA IN PATIENTS WITH CYANOTIC HEART DISEASE. Marta Blesa, S. Lahiri, W. Rashkind and A.P. Fishman, Children's Hospital and Cardiovascular and Pulmonary Division of Department of Medicine, University of Pennsylvania School of Medicine, Philadelphia. (42)
2. 9:15 DUCTAL CLOSURE IN UTERO BY A PROSTAGLANDIN SYNTHETASE INHIBITOR. George L. Sharpe, Bertil Thalme and K. Sune Larsson (Intr. by A. Yao). Karolinska Inst. Dept. of Teratology, Karolinska Hosp. and Dept. of Ped., Huddinge Hosp., Stockholm. (88)
3. 9:30 CHANGES IN THE DISTRIBUTION OF CORONARY FLOW DURING PULMONARY ARTERY CONSTRICTION IN UNANESTHETIZED NEWBORN GOATS. Jim B. Norton, Jr. (Intr. by M. J. Sweeney). Dept. of Ped., Univ. of Texas Health Science Ctr., San Antonio. (73)
4. 9:45 THE ULTRASTRUCTURE OF THE DEVELOPING HEART. Curtis Sheldon, Stanley E. Kirkpatrick, Harley Sybers and William F. Friedman. Univ. of Calif. Sch. of Med., San Diego. (89)
5. 10:00 FORMALIN INFILTRATION OF THE DUCTUS ARTERIOSUS: A NEW METHOD FOR PALLIATION OF SELECTED CONGENITAL CARDIAC LESIONS. Abraham M. Rudolph, Michael A. Heymann, Noel Fishman and Jeffrey B. Lakier. Univ. of Calif., San Francisco, Dept. of Ped. and Surg., and Cardiovascular Res. Inst. (82)

10:15 INTERMISSION

6. 10:30 PHYSICAL TRAINING IN CHILDREN WITH CONGENITAL HEART DISEASE. William W. Miller, Damaris S. Young, C. Gunnar Blomqvist, Phillip S. Strange, Ladislav P. Novak, Robert L. Johnson, Jr., Jere H. Mitchell. (Intr. by James F. Marks.) Dept. of Ped., The Univ. of Texas Health Science Ctr. and Dept. of Anthro., Southern Methodist Univ., Dallas. (71)
7. 10:45 EXERCISE ELECTROCARDIOGRAMS IN NORMAL AND HYPERCHOLESTEROLEMIC CHILDREN. F. James, C. J. Glueck, R. W. Fallat, F. Millet, S. Kaplan. Univ. of Cinn. Coll. of Med., Children's Hosp. Med. Ctr., Dept. Ped., Cincinnati. (63)

8. 11:00 THE PROGNOSTIC SIGNIFICANCE OF LEFT ANTERIOR HEMIBLOCK COMBINED WITH RIGHT BUNDLE BRANCH BLOCK FOLLOWING INTRACARDIAC REPAIR OF FALLOT TETRALOGY. H. Sondheimer, T. Izukawa, P. Olley, G. Trusler and W. Mustard (Intr. by Dr. R. D. Rowe). The Hospital for Sick Children, Toronto. (91)
9. 11:15 ARRHYTHMIAS FOLLOWING MUSTARD'S OPERATION FOR TRANSPOSITION OF THE GREAT ARTERIES. Laurence J. Sloss, Ronald D. Greenwood, Michael A. LaCorte and Alexander S. Nadas, Children's Hosp., Ed. Ctr. and Harvard Med. Sch., Boston. (90)
10. 11:30 THE UTILITY OF SUPRASTERNAL NOTCH (SSN) ECHOCARDIOGRAPHY IN THE NONINVASIVE ASSESSMENT OF CONGENITAL HEART DISEASE (CHD). David J. Sahn, Hugh D. Allen, Stanley J. Goldberg, Theron Ovitt and Barry B. Goldberg, Depts of Ped. and Radiol., Univ. of Arizona Med. Ctr., Tucson, and Episcopal Hosp., Philadelphia. (84)

CARDIOLOGY

Second Session
April 19, 1975, 9:00 A.M.

Showcase Area II

Moderator: William Rashkind

11. 9:00 LEFT ATRIAL RESPONSE TO VOLUME LOAD IN CHILDREN. Mathew, R., Thilenius, O.G., and Arcilla, R.A. (Sponsor, Arcilla, R.A.) Univ. Chicago, Dept. of Ped., The Pritzker Sch. of Med., Chicago. (69)
12. 9:15 EFFECTS OF PROCAINE AMIDE AND VERAPAMIL ON HUMAN ATRIAL FIBERS. Allan J. Hordof, Richard N. Edie, James R. Malm and Michael R. Rosen (Intr. by Welton M. Gersony). Depts. of Ped., Surg. and Pharm., Columbia Univ., N.Y. (61)
13. 9:30 EFFECT OF VENTRICULAR ACTIVATION SEQUENCE ON OUTFLOW OBSTRUCTION IN OBSTRUCTIVE CARDIOMYOPATHY (IHSS). Otto G. Thilenius, Domingo J. de la Fuente, Rabi Sulayman and Rene A. Arcilla. Univ. Chic., Dept. of Ped., Chicago. (93)
14. 9:45 DISTRIBUTION OF FETAL CARDIAC OUTPUT-IMPORTANCE OF PACEMAKER LOCATION. Paul T. Pitlick, Stanley E. Kirkpatrick and William F. Friedman, Univ. Calif. Sch. of Med., San Diego. (74)
15. 10:00 MECHANISM OF TRANSIENT FETAL TACHYCARDIA. M. N. Yeh, S. N. Caritis, H. O. Morishima, L. S. James. Div. of Perinatology, Coll. of Physicians & Surgeons, Columbia Univ., N.Y.C. (105)

10:15 INTERMISSION

16. 10:30 CELLULAR ADHESION AND ELECTRICAL COUPLING IN BEATING EMBRYONIC MYOCARDIAL CELLS. Eva B. Griep and Merton R. Bernfield. Stanford Univ. Med. Sch., Dept. of Ped., Stanford, California. (58)
17. 10:45 FUNCTIONAL PROPERTIES OF THE ATRIOVENTRICULAR NODE IN INFANTS AND CHILDREN. Paul C. Gillette, Charles E. Mullins and Dan G. McNamara. Dept. of Ped., Section of Cardiology, Baylor Coll. of Med., and Texas Children's Hosp., Houston. (53)
18. 11:00 SUPRABULBAR NERVOUS INHIBITION OF THE BAROREFLEX IN THE CHRONIC FETAL LAMB PREPARATION. Robert L. Williams and Murray A. Day (Intr. by Eleanor Colle). McGill Univ.-Montreal Children's Hosp. Res. Inst. and Dept. of Physiol., McGill Univ., Montreal. (102)
19. 11:15 EVALUATION OF LEFT VENTRICULAR FUNCTION IN PREMATURES WITH PATENT DUCTUS ARTERIOSUS (PDA) AND PULMONARY DISEASE (PD). Barry G. Baylen, Richard A. Meyer, Joan Korfhagen and Samuel Kaplan, Children's Hosp., Cincinnati. (39)
20. 11:30 CARDIOVASCULAR EFFECTS OF RAPID ATRIAL STIMULATION (RAS) IN ADULT DOGS AND IN PUPPIES. Nestor J. Truccone, M.D., and Ehud Krongrad, M.D., Dept. of Ped., Columbia Univ., N.Y.C. (99)

DEVELOPMENTAL BIOLOGY

First Session

April 19, 1975, 9:00 A.M.

Denver Room

Moderator: Gerald Gaull

1. 9:00 THE STUDY OF ENDOCRINE CELLS OF THE HUMAN PANCREAS MAINTAINED IN LONG TERM CULTURE. Hy Goldman and Eleanor Colle. McGill Univ.-Montreal Children's Hosp. Res. Inst., Montreal. (120)
2. 9:15 FETAL GROWTH RESTRICTION FOLLOWING MATERNAL NARCOTIC ADMINISTRATION: NUTRITIONAL OR DRUG EFFECT? John R. Raye, Joseph W. Dubin and Jack N. Blechner, Univ. Conn. Health Ctr., Dept. of Ped. and Dept. of Ob/Gyn, Farmingham. (134)
3. 9:30 HISTIDINE DECARBOXYLASE IN FETAL INTRAUTERINE GROWTH-RETARDED RATS. Melinda Kwong, Thomas Moore, Carlos Lemmi, William Oh and Donald W. Thibeault. UCLA Sch. of Med., Harbor Gen. Hosp., Torrance, Calif. (128)
4. 9:45 IN VITRO CELL GROWTH RATES IN PRIMARY CELLULAR GROWTH DEFICIENCY SYNDROMES. Donald Pious, Albert J. T. Millis and Kathleen Sabo. Univ. Washington Sch. of Med., Dept. of Ped., Seattle. (133)

5. 10:00 THE NATURAL INCIDENCE AND DISTRIBUTION OF DYING CELLS IN THE PREIMPLANTED MAMMALIAN EMBRYO. Robert L. Brent and Diana Schlesinger, Jefferson Med. Coll., Stein Res. Ctr., Philadelphia. (112)

10:15 INTERMISSION

6. 10:30 ADIPOSE CELL DEVELOPMENT AS AN INDICATOR OF OBESITY. Jerome L. Knittle, Fredda Ginsberg-Fellner and Roy E. Brown. Dept. of Ped., N.Y.C. (127)
7. 10:45 ENLARGEMENT OF THE HEART INDUCED BY GLUCOCORTICOIDS DURING EMBRYOGENESIS. D. C. Hicks, J. A. Lee, R. Clarke, E. R. Hughes and M. J. Elders. Ped. Dept., UAMC, Little Rock, Ark., and Univ. So. Ala., Mobile. (124)
8. 11:00 POSSIBLE ROLE OF SYMPATHETIC INNERVATION ON CONTROL OF CARDIAC MUSCLE THYMIDINE KINASE. P. C. Gillette and W. C. Claycomb. Dept. of Cell Biophysics and Dept. of Ped., Section of Cardiology, Baylor Coll. of Med., Houston. (119)
9. 11:15 IN VIVO EFFECT OF THYROXINE AND CYCLIC AMP ON CEREBELLAR DNA SYNTHESIS. Morton E. Weichsel, Jr., and James E. Trosko (Intr. by Delbert A. Fisher), UCLA Sch. of Med., Harbor Gen. Hosp., Dept. of Ped., Torrance, and Mich. State Univ., Coll of Human Med., Dept. of Human Development, E. Lansing. (146)
10. 11:30 TAURINE IN DEVELOPING BRAIN OF THE HUMAN AND MONKEY. John A. Sturman and Gerald E. Gaul, Dept. Ped. Res., Inst. for Basic Res. in Mental Retdn., Staten Island, and Dept. of Ped., Mt. Sinai Med. Sch. of CUNY, New York. (143)

DEVELOPMENTAL BIOLOGY

Second Session
April 19, 1975, 2:00 P.M.

Denver Room

Moderator: Joseph Dancis

11. 2:00 PLACENTAL TRANSPORT SYSTEMS FOR NEUTRAL AMINO ACIDS. Carl H. Smith, Robert H. Enders, R. Michael Judd. Washington Univ. Sch. of Med., St. Louis Children's Hosp., Dept. of Ped., St. Louis, Missouri. (140)

12. 2:15 INSTANTANEOUS CHANGES IN UMBILICAL BLOOD FLOW IN FETAL LAMBS IN UTERO. Michael A. Heymann, William Berman, Jr., Robert C. Goodlin and Abraham M. Rudolph. Univ. of Calif., Dept. of Ped. and Cardiovas. Res. Inst., San Francisco. (123)
13. 2:30 PLACENTAL UTILIZATION AND CONVERSION OF GLUCOSE IN VIVO. Michael A. Simmons, Laurence I. Burd, James A. Lemons, M. Douglas Jones, Jr., Richard L. Schreiner, Giacomo Meschia and Frederick C. Battaglia. Div. of Perinatal Med., Univ. of Colo. Med. Ctr., Denver. (138)
14. 2:45 SUPEROXIDE DISMUTASE: AN ENZYME OF MATURATION-RELATIONSHIP TO IRDS. R. Roberts, L. Frank, A. Autor, The Toxicology Ctr., Depts. Pharm. and Ped., Univ. of Iowa, Iowa City. (136)
15. 3:00 INTRAUTERINE CORTICOSTEROID INJECTIONS AND FETAL RAT ORGAN GROWTH AND DEVELOPMENT. Will R. Blackburn, Gregg Weir, Elizabeth A. Barnes and Elaine T. Dark. Univ. of So. Alabama, Div. of Growth and Development, Mobile. (110)
- 3:15 INTERMISSION
16. 3:30 INHIBITION OF THE ENZYMES OF FATTY ACID AND PHOSPHOLIPID SYNTHESIS BY DIETARY DEPRIVATION IN RAT LUNG. Ian Gross, Seamus A. Rooney and Joseph B. Warshaw. Yale Univ. Sch. of Med., New Haven. (121)
17. 3:45 ENZYMATIC SYNTHESIS OF PHOSPHATIDYLCHOLINE (PC) IN HOMOGENEOUS CULTURES OF APPARENT TYPE II PNEUMONOCYTES. Philip M. Farrell, David W. Lundgren and William H. J. Douglas, NIH, Bethesda, Md. and W. Alton Jones Cell Science Ctr., Lake Placid, N.Y. (118)
18. 4:00 CELL TURN-OVER, WHOLE LUNG AND DISATURATED LECITHIN CHANGES IN OXYGEN ADAPTED RATS. George Brumley and Betty Tuggle, Duke Univ. Durham. (113)
19. 4:15 EFFECT OF UNCYCLED LIGHT ON PLASMA HUMAN GROWTH HORMONE IN NEONATES. T.R.C. Sisson, G. Katzman, F. Shahrivar, A. W. Root (Intr. by A. DiGeorge). Temple Univ. Sch. Med., Dept. Ped., Philadelphia. (139)
20. 4:30 BILIRUBIN BINDING CAPACITY IN NEWBORN INFANTS AND THE EFFECT OF PHOTOTHERAPY. William J. Cashore, Edward J. Karotkin and William Oh. Brown Univ. Program in Med., Women and Infants Hospital of Rhode Island, Dept. of Perinatal Med., Providence. (114)

DEVELOPMENTAL PHARMACOLOGY

April 18, 1975, 9:00 A.M.

Terrace Room

Moderator: Bernard L. Mirkin

1. 9:00 CHANGES IN DRUG METABOLISM IN CHILDREN WITH THYROID DISORDERS. P. Saenger, A.B. Rifkind, M.I. New, Cornell Univ. Med. Col., Dept. Ped., N.Y. (180)
2. 9:15 KINETICS OF INTRAVENOUS THEOPHYLLINE IN CHILDREN: CORRELATION WITH PULMONARY RESPONSE. Keith N. Megathlin, Lorne K. Garrettson, Gilberto E. Rodriguez, John R. Howell and Jordan L. Cohen (Intr. by Harold M. Maurer). Depts. Ped. and Pharmacy and Pharmaceutics, Virginia Commonwealth Univ., Med. Col. Virginia, Richmond. (171)
3. 9:30 PHARMACOKINETICS OF CEPHALOTHIN (C) AND DEACETYLCEPHALOTHIN (D) IN ADULTS AND CHILDREN: APPLICATION OF HIGH SPEED LIQUID CHROMATOGRAPHY IN CLINICAL PHARMACOLOGY. Thomas F. Rolewicz, Marion W. Anders, Mehroo Cooper and Bernard L. Mirkin. Univ. of Minn. Hosp., Div. Clin. Pharm., Depts. Ped and Pharm., Minneapolis. (176)
4. 9:45 PHENOBARBITAL DOSE AND PLASMA LEVEL IN THE NEONATE. T. S. Rosen and C. E. Pippenger. Coll. of Physicians and Surgeons, Columbia Univ., Dept. of Ped. and Neurol., N.Y.C. (Intr. by L. S. James.) (178)
5. 10:00 PHARMACOKINETIC OBSERVATIONS OF DIPHENYLHYDANTOIN (DPH) IN THE NEWBORN AND YOUNG INFANT. Peter M. Loughnan, Gordon Watters and Allen H. Neims. McGill Univ., Montreal Children's Hosp., Roche Dev. Pharm. Unit, Montreal. (168)

10:15 INTERMISSION

6. 10:30 DIPHENYLHYDANTOIN-DIAZEPAM INTERACTIONS: A PHARMACOKINETIC ANALYSIS. Howard J. Rogers, Robert A. Haslam, James Longstreth and Paul S. Lietman. Depts. Ped. and Med., Johns Hopkins Univ., Baltimore (125)
7. 10:45 VARIATIONS IN THE BETA-ADRENERGIC RECEPTOR ACTIVITY WITH AGE. Myung K. Park, Antoni M. Diehl and John M. Sunderson. (Intr. by Cheng T. Cho). Univ. Kansas Sch. Med., Dept. Ped., and Ralph L. Smith Human Development Res. Ctr., Kansas City. (173)
8. 11:00 GENTAMICIN PHARMACOKINETICS IN PATIENTS WITH CYSTIC FIBROSIS. Michele Danish, Louise Gerbracht, Luis Mosovich, William J. Jusko and Sumner J. Yaffe. Depts. Ped. and Pharmaceutics, State Univ. of New York at Buffalo. (155)

9. 11:15 INTERSUBJECT VARIATION OF BILIRUBIN BINDING IN NEONATAL AND ADULT HUMAN PLASMA AND THE DISPLACING EFFECT OF DRUGS. Gerhard Levy and Svein Øie. (Intr. by Sumner J. Yaffe). State Univ. of New York, Sch. of Pharmacy, Dept. of Pharmaceutics, Buffalo. (167)
10. 11:30 GLUCURONIDE CONJUGATES IN PREGNANT AND NON-PREGNANT RATS WITH AND WITHOUT PHENOBARBITAL TREATMENT. S. Vaisman and L. M. Gartner, Dept. Ped., Albert Einstein Med. Ctr., New York (184)

ENDOCRINOLOGY

First Session
April 18, 1975, 9:00 A.M.

Empire Room

Moderator: Joycelyn M. Elders

1. 9:00 ATHEROSCLEROSIS, PUBERTY AND CASTRATION. Felix P. Heald, Mushtaq A. Khan, Theodore M. Farber, Francis L. Earl, S. David Gertz, Marshall L. Rennels, M. Hussain, and Edward J. Van Loon. Dept. Ped. and Neurology, Univ. Maryland Sch. Med., Baltimore, and FDA, SPAL, Beltsville, Md. (202)
2. 9:15 RADIOIMMUNOASSAY OF HYPOTHALAMIC GONADOTROPIN RELEASING HORMONE (GN-RH): EFFECT OF CASTRATION AND STARVATION IN ADULT MALE RATS. A. W. Root, E. O. Reiter, G. E. Duckett and M. Sweetland. Univ. So. Fla., Col. of Med., Tampa, and All Children's Hospital, St. Petersburg. (225)
3. 9:30 CLINICAL STUDIES UTILIZING TIMED URINARY GONADOTROPIN MEASUREMENTS. Howard E. Kulin, Patricia M. Bell, Richard J. Santen, The M.S. Hershey Med. Ctr., The Pa. State Univ., Div. Endocr., Depts. Ped and Med., Hershey, Pa. (213)
4. 9:45 EFFECT OF CONSTANT INFUSION OF LUTEINIZING HORMONE-RELEASING HORMONE (LH-RH) UPON GONADOTROPIN SECRETION IN CHILDREN. E. O. Reiter, G. E. Duckett and A. W. Root. Univ. of So. Fla., Tampa, and All Children's Hosp., St. Petersburg. (223)
5. 10:00 THE RANGE OF ACTIVITY OF MULLERIAN INHIBITING SUBSTANCE. Patricia K. Donahoe, Yasuo Ito, Sudhir R. Marfatia, W. Hardy Hendren (Intr. by J.D. Crawford). Mass. Gen. Hosp., Dept. Ped. Surg., Boston (194)

10:15 INTERMISSION

6. 10:30 STUDIES OF BIOCHEMICAL AND HORMONAL MARKERS OF RICKETS IN CHILDREN RECEIVING ANTICONVULSANT DRUGS (ACD). Helen Yeager, John Winnacker, John Saunders, Barbara Russell and Constantine Anast. Depts. Child Health and Med., Univ. of Missouri and VA Hosp., Columbia. (236)
7. 10:45 THE PARATHYROID HORMONE (PTH) RESPONSE TO EDTA INFUSIONS IN INFANTS AND CHILDREN. Reginald C. Tsang, I-Wen Chen, Paul T. McEnery, David R. Brown, Kikuo Iataka, Arun Pramanik and MaryAnn Friedman. Univ. Cincinnati. (230)
8. 11:00 RESPONSES OF HYPOPARATHYROIDISM AND PSEUDOHYPOPARATHYROIDISM TO 1 α , 25-DIHYDROXYVITAMIN D₃: EVIDENCE FOR IMPAIRED CONVERSION OF 25-HYDROXYVITAMIN D TO 1 α , 25-DIHYDROXYVITAMIN D. S. W. Kooh, D. Fraser, M.F. Holick, H. F. DeLuca. From Depts. of Paed. and Physiol., Univ. of Toronto, and Hosp. for Sick Children, Toronto, and Dept. of Biochem., Univ. of Wisconsin, Madison. (211)
9. 11:15 PITUITARY GIGANTISM: EFFECT OF SOMATOSTATIN AND TREATMENT WITH TRANSPHENOIDAL MICROSURGERY. Robert D. Lovinger, Felix A. Conte, Charles B. Wilson and Melvin M. Grumbach. Dept. Ped. and Neurosurgery, Univ. of Calif., San Francisco. (217)
10. 11:30 THE PITUITARY - THYMIC AXIS. H. Lawrence Vallet, Catherine Kyong, Vernon W. Krause, Richard Pickering. N.Y.S. Birth Defects and Kidney Dis. Inst. and Dept. Ped., A.M.C., Albany, and Dept. Path., I.W.K. Hosp., Halifax, N.S. (232)
11. 11:45 ENHANCED LINEAR GROWTH RATE, WEIGHT GAIN, AND INSULIN RELEASE IN HYPOPITUITARISM BY CYPROHEPTADINE (CP) PLUS HUMAN GROWTH HORMONE (HGH) VS. HGH ALONE. A. V. Agustin, M. deLevie, N. Hopwood, A. Drash, T. Foley and F. Kenny (Intr. by T. K. Oliver, Jr.). Pittsburgh. (186)

ENDOCRINOLOGY

Second Session
April 19, 1975, 2:00 P.M.

Empire Room

Lawson Wilkins Lecture

SOME RECENT DEVELOPMENTS IN RADIOIMMUNOASSAY. Rosalyn S. Yalow, Ph.D., Senior Medical Investigator of the Veterans Administration and Distinguished Service Professor of the Mount Sinai School of Medicine of the City University of New York.

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Moderator: Joycelyn M. Elders

12. 3:00 THYROTROPIN (TSH) SCREENING FOR CONGENITAL HYPOTHYROIDISM. Alan H. Klein, Amelia V. Agustin, Nancy J. Hopwood, Anita Perricelli, L. Johnson, Thomas P. Foley, Jr., Univ. of Pittsburgh Sch. of Med., Madigan Army Med. Ctr. (MAMC), Dept. of Ped., Pittsburgh and Tacoma. (210)
13. 3:15 REVERSE T_3 (RT₃), T_4 AND T_3 IN THE HUMAN NEWBORN. Joseph Sack, Inder J. Chopra and Delbert A. Fisher. UCLA Sch. of Med. and Harbor Gen. Hosp., Depts. of Med. and Ped., Los Angeles. (226)
14. 3:30 REEVALUATION OF HORMONAL REPLACEMENT THERAPY WITH THYROXINE. Val Abbassi (Intr. by P. L. Calcagno). Georgetown Univ. Sch. of Med., Georgetown Univ. Hospital, Dept. of Ped., Washington, D.C. (185)
15. 3:45 APPLICATION OF SERUM 17OH-PROGESTERONE (17P) RADIOIMMUNOASSAY TO DIAGNOSIS AND MANAGEMENT OF CONGENITAL ADRENAL HYPERPLASIA (CAH). Ieuan A. Hughes and Jeremy S.D. Winter. Univ. of Manitoba, Dept. Ped., Winnipeg, Manitoba. (205)
16. 4:00 DISPROPORTIONATE ACCELERATED SKELETAL MATURATION FROM CORTISONE ACETATE. Edna H. Sobel, Albert Einstein Col. of Med., Dept. of Ped., New York. (229)
17. 4:15 MASSIVE OBESITY COMPLICATING THERAPY OF CONGENITAL ADRENAL HYPERPLASIA (CAH). M. Firestone, M. Genel, A. R. Enriquez and B. F. Bower. Dept. of Ped., Yale Univ. Sch. of Med, New Haven, Conn. and Dept. of Med., Univ. of Conn. Sch. of Med., Farmington, Connecticut. (Intr. by Joseph B. Warshaw). (197)
18. 4:30 INCREASED INCIDENCE OF POST-ADRENALECTOMY NELSON'S SYNDROME IN PEDIATRIC VS. ADULT CUSHING'S DISEASE: A NATIONWIDE STUDY. N. Hopwood and F. Kenny (Intr. by T. K. Oliver, Jr.). Univ. of Pgh. Sch. of Med., Pittsburgh. (204)
19. 4:45 ESTRADIOL (E2) LEVELS IN UMBILICAL CORD PLASMA: CORRELATION WITH MODE OF DELIVERY AND FETAL SEX, IMPLICATIONS REGARDING MECHANISMS OF LABOR. A. H. Klein, N. Radfar and F. M. Kenny. Univ. of Pgh. Sch. of Med., Pittsburgh. (209)
20. 5:00 ADRENAL ANDROGENS IN PRECOCIOUS ADRENARCHE. S. Korth-Schutz, L. S. Levine, D. Chow and M. I. New. Cornell Univ. Med. Col., Dept. Ped., New York. (212)

EPIDEMIOLOGY

April 19, 1975, 9:00 A.M.

Gold Room

Moderator: David Rush

1. 9:00 DEATHS RELATED TO CHILD ABUSE AND NEGLECT OVER A FIFTEEN-YEAR PERIOD. Irwin E. Redlener, Joseph Davis, Steve Morris, Fred Seligman, Karyl Morris (Intr. by W. W. Cleveland). Univ. of Miami Sch. of Med., Depts. of Ped. and Path., Miami. (30)
2. 9:15 EPIDEMIOLOGY OF PESTIDIDE POISONINGS IN NORTH CAROLINA. Stephen H. Gehlbach and Wilton A. Williams (Intr. by Floyd W. Denny). Univ. North Carolina Sch. of Med., Wake Mem. Hosp., Dept. of Ped., Raleigh. (241)
3. 9:30 FATAL ACCIDENTS AND RESPIRATORY TRACT INFECTIONS OF INFANCY, CONTRASTING EPIDEMIOLOGIES. Richard Naeye, Penn. State Univ. Col. Med., Dept. Path., Hershey, Pa. (248)
4. 9:45 THE EARLY DETECTION OF EDUCATIONAL DYSFUNCTION: A SYSTEM FOR WEIGHING PERINATAL RISK FACTORS. Melvin D. Levine, Judy Palfrey, Daniel Rosenn and Dorothea Johnson (Intr. by Mary Ellen Avery). The Children's Hospital Med. Ctr., Boston. (257)
5. 10:00 EARLY NUTRITION AND OBESITY AT NINETEEN YEARS. Gian-Paolo Ravelli, Zena A. Stein and Mervyn W. Susser. Columbia Univ. Sch. of Public Health, N.Y.C. (253)

10:15 INTERMISSION

6. 10:30 SCREENING FOR ALPHA-1-ANTITRYPSIN DEFICIENCY. Robert H. Schwartz, Janice D. Van Ess, Klaus J. Roghmann, William J. Hall, Richard W. Hyde and John C. Vance. Univ. of Rochester Sch. of Med., Rochester, New York. (255)
7. 10:45 NOSOCOMIAL EPIDEMIC OF NEONATAL NECROTIZING ENTEROCOLITIS. Nirmala S. Desai, M. Douglas Cunningham and H. David Wilson (Intr. by Charlton Mabry). Albert B. Chandler Med. Ctr., Univ. of Ky., Dept. of Ped., Lexington. (238)
8. 11:00 EPIDEMIOLOGIC INVESTIGATION OF PRIMARY EPSTEIN-BARR VIRUS (EBV) INFECTIONS IN CHILDREN. Ciro V. Sumaya (Intr. by James D. Cherry). UCLA Sch. of Med., Dept. Ped., Los Angeles. (260)

9. 11:15 THE EFFECT ON THE OFFSPRING OF MATERNAL HEPATITIS B SURFACE ANTIGENEMIA. Robert McNair Scott, Dumrong Chiewsilp and William H. Bancroft (Intr. by Franklin H. Top, Jr.). SEATO Medical Research Laboratory, Bangkok. (253)
10. 11:30 EPIDEMIOLOGIC AND IMMUNOLOGIC ASPECTS OF NON-PARENTERAL TRANSMISSION OF HEPATITIS B INFECTION. M. L. Tiku, R. I. Ramirez, D. Kerr Grant and P. L. Ogra. Depts. of Ped. and Micro., SUNY at Buffalo and West Seneca State Sch., West Seneca, N.Y. (261)

GASTROENTEROLOGY AND ENZYMOLOGY

First Session
April 18, 1975, 9:00 A.M.

Assembly Room II

Moderator: Fima Lifshitz

1. 9:00 EXTRACELLULAR WATER SPACE IN PARENTERALLY SUPPLEMENTED NEONATES. Y. Brans, J. Sumners, H. Dweck, P. Bailey and G. Cassady. Univ. Ala. Med. Sch., Birmingham. (271)
2. 9:15 VITAMIN A DISAPPEARANCE IN TOTAL INTRAVENOUS FEEDING SOLUTIONS. John V. Hartline, Bronson Mem. Hosp., Kalamazoo, Mich., and Richard D. Zachman, Univ. Wisconsin Sch. of Med., Dept. Ped., Madison. (284)
3. 9:30 NEPHROLITHIASIS IN A PATIENT ON TOTAL PARENTERAL NUTRITION. Raymond D. Adelman, Charles H. Halsted and Steven B. Abern (Intr. by Eli Gold). Depts. Ped. and Med., Sch. of Med., Univ. Calif., Davis, Calif. (265)
4. 9:45 GROWTH OF INFANTS FED A ZN-SUPPLEMENTED MILK FORMULA. Philip A. Walravens and K. Michael Hambidge. Univ. of Colorado Med. Ctr., Dept. of Ped., Denver. (319)
5. 10:00 NASOJEJUNAL FEEDING IN THE SMALL PREMATURE INFANT: A CONTROLLED TRIAL. Ricardo Uauy, Sherry Loo, Ian Gross and Joseph Warshaw. Yale Sch. of Med., New Haven. (316)

10:15 INTERMISSION

6. 10:30 MEDICAL TREATMENT OF TYPE I GLYCOGEN STORAGE DISEASE (GS-1). Harry L. Greene, Ian M. Burr, Alf E. Slonim, Ross L. Vaughan, Jr. (Intr. by David T. Karzon). Vanderbilt Univ. Sch. of Med., Vanderbilt Hosp., Dept. Ped., Nashville, Tn. (282)
7. 10:45 RESPONSE OF RAT INTESTINE TO AN ACUTE HYPEROSMOTIC FEEDING. S. Teichberg, F. Lifshitz, R. Pergolizzi and R. A. Wapnir. Dept. of Ped. and Labs., North Shore Univ. Hosp., Manhasset, N.Y. and Dept. of Ped., Cornell Univ. Med. Coll., N.Y.C. (313)
8. 11:00 THE INTESTINAL RESPONSE TO INTRAJEJUNAL PERFUSION OF THE YOUNG PIGLET WITH A NUTRIENT HYPERTONIC LOAD. Lorne Katz and J. R. Hamilton. Res. Inst., Hosp. for Sick Children, Dept. of Ped., Univ. of Toronto, Toronto. (292)
9. 11:15 EFFECT OF BILE AND TAUROCHOLATE ON THE CELL DYNAMICS OF THE SMALL INTESTINE. C. C. Roy, G. Laurendeau, G. Doyon, L. Chartrand and M. R. Rivest, Dept. of Ped., Ste. Justine Hosp. and the Univ. of Montreal. (312)
10. 11:30 THE SIGNIFICANCE OF INTESTINAL SURFACE AREA IN INFANTS WITH ACQUIRED MONOSACCHARIDE INTOLERANCE (AMI). W. J. Klish, J. Udall, J. T. Rodriguez, D. B. Singer and B. L. Nichols. Section of Nutrition and Gastroenterology, Texas Children's Hosp., Baylor Coll. of Med., Houston. (293)

GASTROENTEROLOGY AND ENZYMOLOGY

Second Session

April 19, 1975, 9:00 A.M.

Spruce and Century Rooms

Moderator: Joyce D. Gryboski

11. 9:00 ABNORMAL LIPID ACCUMULATION IN THE JEJUNAL MUCOSA OF CHILDHOOD DIABETICS. Robert C. Bobo, John C. Partin, William K. Schubert. Children's Hosp. Res. Foundation, Cincinnati. (269)
12. 9:15 ABNORMAL SERUM AMYLASE ISOENZYME PATTERNS IN CHILDREN WITH SHWACHMAN'S SYNDROME AND THEIR RELATIVES. Rolf R. Engel and Michael D. Levitt. Univ. of Minn., Depts. of Ped. and Med., Minneapolis. (275)
13. 9:30 INTRALUMINAL PHASE OF INTESTINAL ANTIBODY FUNCTION: A FIRST STEP IN CONTROL OF ANTIGEN ABSORPTION. W. Allan Walker and Stephen N. Abel. Harvard Med. Ctr., Mass. Gen. Hosp., Pediatric GI Unit, Boston. (318)

14. 9:45 13C-TRIOCTANOIN: A SAFE AND SENSITIVE TEST FOR MALABSORPTION. John B. Watkins, Dale A. Schoeller, Donald G. Ott and Peter D. Klein. Harvard Med. Sch., Children's Hosp. Med. Ctr., Dept. Ped., Boston and Argonne Nat'l Lab., Argonne, Ill. and Los Alamos Scientific Lab., Los Alamos, New Mexico. (Intr. by Richard J. Grand.) (320)
15. 10:00 EFFECTS OF THE NUTRITIONAL DISTURBANCES INFLAMMATORY BOWEL DISEASE (IBD) AND ANOREXIA NERVOSA (AN) ON HORMONAL SECRETIONS. Alfred Tenore, John S. Parks, Rebecca T. Kirkland, Michael Ranke, Martin Silink and Alfred M. Bongiovanni. The Children's Hosp. of Philadelphia, Phila. (314)
- 10:15 INTERMISSION
16. 10:30 CORRELATION OF SGOT AND SGPT WITH SALICYLATE IN JUVENILE RHEUMATOID ARTHRITIS. John J. Miller, III and David B. Weissman. Stanford Univ. Sch. Med., Children's Hosp. at Sanford, Rheumatic Disease Service, Palo Alto, Calif. (308)
17. 10:45 HEPATIC EFFECTS OF ISONIAZID IN ADOLESCENTS AND RODENTS. Iris F. Litt, Michael I. Cohen and Helen McNamara. Albert Einstein Coll. of Med., Montefiore Hosp. and Med. Ctr., Dept. Ped., Bronx, New York. (301)
18. 11:00 KASAI'S OPERATION FOR BILIARY ATRESIA. John R. Lilly, John O. Taubman and Robert H. Shikes (Intr. by Fred C. Battaglia). Univ. of Colorado Med. Ctr., Div. of Ped. Surg., Dept. of Radiol. and Path., Denver. (300)
19. 11:15 25-HYDROXYVITAMIN D₃ (25-OHD₃) METABOLISM IN CHILDREN WITH BILIARY ATRESIA (BA). Fred Daum, John F. Rosen, Martin Roginsky, Michael I. Cohen and Laurence Finberg. Albert Einstein Coll. Med., Montefiore Hosp. and Med. Ctr., Dept. Ped., and Nassau County Med. Ctr., New York (274)
20. 11:30 JUVENILE α₁ ANTITRYPSIN DEFICIENCY: INEVITABLE CIRRHOSIS FOLLOWS NEONATAL HEPATITIS. Edward E. Lawson and Richard J. Grand. Harvard Med. Sch., Children's Hosp., Med. Ctr., Dept. of Med., Boston. (297)

GENETICS

First Session
April 18, 1975, 9:00 A.M.

Spruce and Century Rooms

Moderator: David Rimoin

1. 9:00 MAROTEAUX-LAMY SYNDROME: A DEFICIENCY OF N-ACETYLGALACTOSAMINE 4-SULFATE SULFATASE. Reuben Matalon and Albert Dorfman. Univ. of Chicago, Dept. Ped., Chicago. (348)
2. 9:15 CARRIER DETECTION IN FUCOSIDOSIS. N. G. Beratis, B. M. Turner and K. Hirschhorn. Mount Sinai Sch. of Med., Dept. of Ped., New York (330)
3. 9:30 THE POSSIBLE FALSE-POSITIVE DIAGNOSIS OF KRABBE'S DISEASE. David A. Wenger and Vincent M. Riccardi (Intr. by D. O'Brien). Univ. of Colorado Med. Ctr., Depts. of Ped., Biophysics and Genetics, Denver. (378)
4. 9:45 MULTIPLE SULFATASE DEFICIENCY PRESENTING AS SANFILIPPO A DISEASE. Michel Philippart, Elsa Kamensky, Gerald Sugarman and Seiji Nakatani. Mental Retardation Ctr., Univ. of Calif., Los Angeles. (358)
5. 10:00 PRENATAL DIAGNOSIS OF MUCOLIPIDOSIS IV BY ELECTRON MICROSCOPY. Gertrude Kohn, Nelly Livni and Yorem Beyth. Depts. of Human Genetics, Path. and Ob/Gyn. Hadassah-Hebrew Univ. Med. Ctr., Jerusalem. (344)
6. 10:15 MUCOLIPIDOSIS "X". Annemarie Sommer, Carol Both and Edward Bradel (Intr. by Henry Nadler). Ohio State Univ., Children's Hosp., Dept. of Ped., Columbus, and Northwestern Univ. Med. Sch., Children's Mem. Hosp., Chicago. (372)

10:30 INTERMISSION

7. 10:45 RADIOLOGIC AND BIOCHEMICAL ABNORMALITIES IN MANNOSIDOSIS. Carol W. Booth, Kathy Chen and Henry L. Nadler. Northwestern Univ. Med. Sch., Children's Mem. Hosp., Dept. of Ped., Chicago. (331)
8. 11:00 AN ANIMAL MODEL FOR LYSOSOMAL ENZYME REPLACEMENT STUDIES. Harry A. Frankel, Janet Glaser and William S. Sly. Washington Univ. Sch. of Med., Depts. Ped. and Med., St. Louis Children's Hosp., St. Louis, Missouri. (339)
9. 11:15 GLYCOSAMINOGLYCANS (GAG) OF EDTA SOLUBLE AND INSOLUBLE DENTIN IN AUTOSOMAL DOMINANT OSTEOGENESIS IMPERFECTA. David M. Brown, John J. Sauk, Kendall W. Corbin, David S. Bradford and Carl J. Witkop. Dept. of Ped., Oral Genetics, Ortho. Surg., Univ. of Minnesota, Minneapolis. (332)

10. 11:30 A BASIC DEFECT OF MUCOPOLYSACCHARIDE METABOLISM IN OSTEOGENESIS IMPERFECTA FIBROBLASTS AND POSSIBLE USE FOR INTRAUTERINE DIAGNOSIS. C. C. Solomons, E. M. Handrich, E. A. Millar and G. Pettett. Dept. of Ped., Univ. of Colorado Med. Ctr., Fitzsimmons Army Med. Ctr., Denver and Shriners Hospital, Denver. (371)

GENETICS

Second Session
April 19, 1975, 2:00 P.M.

Assembly Room 11

Moderator: Lillian Yu-Feng Hsy

11. 2:00 CHARACTERIZATION OF 25 CHROMOSOMAL ABNORMALITIES WITH R. BANDING. Herbert A. Lubs, Ram S. Verma and Arthur A. Robinson. Univ. Colorado Med. Ctr., Dept. Ped. and Dept. of Biophysics and Genetics, Denver. (347)
12. 2:15 DOWN'S SYNDROME: LOCALIZATION OF LOCUS TO DISTAL PORTION OF LONG ARM OF CHROMOSOME 21. James J. O'Donnell, Bryan D. Hall, Felix A. Conte, Judith C. Romanowski and Charles J. Epstein. Univ. of Calif., San Francisco, Dept. of Ped., San Francisco. (350)
13. 2:30 CHROMATID EXCHANGE RATES IN ATAXIA-TELANGIECTASIA. Ernest B. Hook, Bernard Pollara and Norma H. Hatcher. Birth Defects Inst. and Kidney Disease Inst., N.Y.S. Dept. of Health, and Dept. of Ped., Albany Med. Coll., Albany, N.Y. (340)
14. 2:45 FAMILIAL TRANSLOCATION WITH DOUBLE PARTIAL TRISOMY OF 13 and 22. Hyon J. Kim, Lillian Y. F. Hsu, Lawrence C. Goldsmith and Kurt Hirshhorn. Dept. of Ped. and Path., Mount Sinai Sch. of Med. of City Univ. of New York, New York. (343)
15. 3:00 PSEUDOMOSAICISM AND MATERNAL CELL CONTAMINATION IN CULTURED AMNIOTIC CELLS. David C. Peakman, Marilyn F. Moreton and Arthur Robinson. Univ. of Colorado Med. Ctr., Dept. of Biophysics and Genetics, Denver. (354)

3:15 INTERMISSION

16. 3:30 ABSENCE OF A SERUM FACTOR IN PATIENTS WITH CYSTIC FIBROSIS. Liang Chou and Henry Nadler. Northwestern Univ. Med. Sch., Children's Mem. Hosp., Dept. of Ped., Chicago. (333)

17. 3:45 LOCALIZATION OF SPERMIDINE (Spd) AND SPERMINE (Spm) IN BLOOD OF CYSTIC FIBROSIS (CF) AND CONTROL SUBJECTS. Lawrence F. Cohen, Philip M. Farrell, Jame W. Willison and David W. Lundgren, NIH, Bethesda. (334)
18. 4:00 CYSTATHIONASE IN LONG TERM LYMPHOID CELL LINES: EVIDENCE FOR ALTERED ENZYME PROTEIN IN CYSTATHIONINURIA. T. Pascal, G. Gaul, N. Beratis, B. Gillam, H. Tallan, K. Hirschhorn and C. Parker. Dept. Ped. Res., Inst. Basic Res. Mental Retdn., S.I., N.Y., Dept. of Ped. and Clinical Genetics Ctr., Mt. Sinai Med. Sch., CUNY, Children's Hosp., Los Angeles, Calif. (353)
19. 4:15 GENETIC DEFICIENCY OF THE SECOND COMPONENT OF HUMAN COMPLEMENT (C2): DEMONSTRATION OF THE BIOSYNTHETIC DEFECT IN VITRO. L. Peter Einstein, Chester A. Alper, Kurt J. Bloch. John T. Herrin, Fred S. Rosen, John R. David and Harvey R. Colten. Harvard Med. Sch., Boston (337)
20. 4:30 TEN YEARS OF EXPERIENCE WITH AN AUTOSOMAL RECESSIVE MALFORMATION SYNDROME OF LIMBS & CRANIUM IN CREE INDIANS. Elizabeth J. Ives, C. Stuart Houston (Intr. by J. W. Gerrard). Depts. of Ped. and Radiology, Coll. of Med., Univ. Hosp., Univ. of Saskatchewan, Saskatoon. (342)

HEMATOLOGY

First Session

April 19, 1975, 9:00 A.M.

Silver Room

Moderator: Robert Baehner

1. 9:00 THROMBOTIC AND HYPERCOAGULABLE SYNDROMES IN CHILDHOOD. Robert R. Montgomery, Toni Servoss and Wm. E. Hathaway. Univ. of Colorado Med. Ctr., Dept. Ped., Denver. (408)
2. 9:15 IDIOPATHIC THROMBOCYTOPENIC PURPURA IN CHILDHOOD. Jeanne M. Lusher, Rathi Iyer, A. Samy Khalifa and Wolf W. Zuelzer. Wayne State Univ. Sch. of Med. and Children's Hosp. of Michigan, Dept. of Ped., Detroit. (401)
3. 9:30 CONGENITAL NEUTROPENIA (CN): EVALUATION BY IN VITRO GRANULOPOIESIS. Kenneth Rich, Peter Falk, Stephen Feig, E. Richard Stiehm, Martin J. Cline, Dept. of Ped. and Med., UCLA Sch. of Med., Los Angeles, Calif. (413)

4. 9:45 FAMILIAL NEUTROPENIA, MONOCYTOPENIA AND NERVE DEAFNESS WITH DIMINISHED COLONY STIMULATING FACTOR ACTIVITY. Robert R. Chilcote, W. Joseph Rierden and Robert L. Baehner. Dept. of Ped., Indiana Univ. Sch. of Med., and the James Whitcomb Riley Hosp. for Children, Indianapolis. (384)
 5. 10:00 DETECTION OF ANTI-NEUTROPHIL (PMN) ANTIBODIES IN DRUG INDUCED NEUTROPENIAS AND OTHER DISORDERS BY THE METABOLIC RESPONSE OF HUMAN LEUKOCYTES TO SENSITIZED PMN. Laurence A. Boxer, Betty W. Chang and Thomas P. Stosel (Intr. by Bertil Glader). Harvard Med. Sch., Children's Hosp. Med. Ctr., Boston. (382)
- 10:15 INTERMISSION
6. 10:30 ERYTHROID STEM CELL STUDIES IN THE DIAMOND-BLACKFAN SYNDROME. Melvin H. Freedman, Dominick Amato and E. Fred Saunders. Dept. of Ped., Hosp. for Sick Children, Univ. of Toronto, Toronto. (386)
 7. 10:45 ERYTHROPOIETIN LEVELS IN RESPIRATORY DISTRESS SYNDROME. D. Glaubiger, J. F. Garcia and T. J. Gribble. Dept. of Ped., Stanford Univ. Stanford, Calif., and Lawrence Berkeley Lab., Berkeley, Calif. (Intr. by Phillip Sunshine.) (390)
 8. 11:00 IRON DEFICIENCY ANEMIA AND GASTROINTESTINAL IRON ABSORPTION. Gross, S., Stuart, M. J., Swender, P., and Oski, F. A. Upstate Med. Ctr., SUNY, Syracuse. (382)
 9. 11:15 INTERACTION OF FERRITIN WITH LEAD (Pb) AND CADMIUM (Cd). Joseph Kochen and Yigal Greener. Albert Einstein Coll. of Med., Montefiore Hosp. and Med. Ctr., Dept. Ped., New York (399)
 10. 11:30 CLINICAL EVALUATION OF 2,3-DIHYDROXYBENZOIC ACID AS AN ORAL IRON-CHELATING DRUG IN β -THALASSEMIA MAJOR. Joseph H. Graziano, Charles M. Peterson, Robert W. Grady, Robert L. Jones, Albert de Ciutis, Virginia C. Canale, Denis R. Miller and Anthony Cerami. Cornell Univ. Med. Col., Dept. of Ped., and The Rockefeller Univ. Lab. of Med. Biochem., New York City. (391)

HEMATOLOGY

Second Session
April 19, 1975, 2:00 P.M.

Silver Room

Moderator: James T. Lowman

11. 2:00 ERYTHROCYTE PORPHYRIN ASSAYS IN THE DETECTION AND EVALUATION OF LEAD POISONING IN CHILDREN: COMPARISON OF METHODS. H. Zarkowsky, D. Dietzler, S. Gupta, C. Smith, T. Tinker, V. Jonsson, D. Jones. Wash. Univ. Sch. of Med., St. Louis Children's Hosp. and St. Louis City Health Division. (Intr. by D. Goldring.) (426)

12. 2:15 BIOCHEMICAL CHARACTERISTICS OF "YOUNG" AND "OLD" ERYTHROCYTES OF THE NEWBORN INFANT. Frank A. Oski. SUNY, Upstate Med. Ctr.- Dept. of Ped., Syracuse. (410)
13. 2:30 ANTENATAL DETECTION OF B-THALASSEMIA (B-THAL). Blanche P. Alter, C. Bernadette Modell, Henry Chang, Dennis Fairweather, John C. Hobbins, Fredric D. Frigoletto and David G. Nathan. Harvard Med. Sch., Children's Hosp. Med. Ctr., Dept. of Ped., Boston Hosp., for Women, Dept. of Obst., Boston, Univ. Coll. Hosp. Med. Sch., Depts. of Ped. and Obst., London, and Yale Med. Sch., Dept of Obst., New Haven. (380)
14. 2:45 DIFFERENTIATION OF CONGENITAL HYPOPLASTIC ANEMIA FROM TRANSIENT ERYTHROBLASTOPENIA. William C. Mentzer, Winfred C. Wang and Louis K. Diamond. Univ. of Calif., San Francisco Med. Ctr., Dept. of Ped., San Francisco. (403)
15. 3:00 GLOBIN MESSENGER RNA IN HUMAN DEVELOPMENT AND THE THALASSEMIA SYNDROMES. Haig H. Kazazian, Jr., Gordon D. Ginder, Pamela G. Snyder and Rebecca J. VanBeneden. Johns Hopkins Univ. Sch. of Med., Dept. of Ped., Baltimore. (397)

3:15 INTERMISSION

16. 3:30 GLOBIN SYNTHESIS IN CLINICALLY SIGNIFICANT DISORDERS WITH HB S OR HB C. Haewon C. Kim, Robert G. Weierbach, Shlomo Friedman and Elias Schwartz. Univ. of Pennsylvania Sch. of Med. and the Children's Hosp. of Philadelphia, Phila. (398)
17. 3:45 HEME SYNTHESIS IN HEREDITARY HEMOLYTIC ANEMIAS. Denis R. Miller and Gerald B. Kolski. Cornell Univ. Med. Coll., New York Hosp., Dept. of Ped., New York (406)
18. 4:00 IRREVERSIBLY SICKLED CELLS (ISC'S): A CONSEQUENCE OF CELLULAR DEHYDRATION. Bertil E. Glader and Aixa Muller. Dept. Ped., Harvard Med. Sch., Children's Hosp. Med. Ctr., Boston. (389)
19. 4:15 ASPIRIN (ASA) INDUCED HEMOLYSIS: THE NEED FOR CONCOMITANT OXIDANT (H₂O₂) CHALLENGE. J. A. Stockman, III, F. A. Oski, B. H. Lubin. SUNY, Upstate Med. Ctr., Syracuse, and The Children's Hosp. Med. Ctr., Oakland, Calif. (419)
20. 4:30 HEMOLYTIC ANEMIA SECONDARY TO INHERITED IDIOPATHIC SPLENO-MEGALY. Gary R. Geller, Carolyn J. Levitt, David Tukey and William Krivit. Univ. of Minn. Sch. of Med., Dept. of Ped., Minneapolis. (388)

IMMUNOLOGY

First Session
April 18, 1975, 9:00 A.M.

Assembly Room III

Moderator: Michael Miller

1. 9:00 EFFECT OF BREAST FEEDING ON ANTIBODY RESPONSE TO ORAL POLIO VACCINATION. T. Jacob John (Intr. by Dr. G. Morrow, III). Univ. of Arizona Coll. of Med., Dept. of Ped., Tucson. (447)
2. 9:15 LYMPHOCYTE-MEDIATED CYTOTOXICITY TO VIRUSES IN PATIENTS WITH MULTIPLE SCLEROSIS: PRESENCE OF A BLOCKING FACTOR. M. Rola-Pleszczynski, M. Abernathy, M. M. Vincent, S. A. Hensen and J. A. Bellanti. Georgetown Univ. Sch. of Med., Washington, D.C., and the Microbiological Associates, Bethesda. (467)
3. 9:30 EFFECTS OF CORTICOSTEROID HORMONES ON EOSINOPHILOTAXIS. Cecilia A. Gauderer and Gerald J. Gleich (Intr. by Gunnar B. Stickler). Mayo Clinic and Mayo Foundation, Rochester, Minnesota. (438)
4. 9:45 ROLE OF MICROTUBULES AND MICROFILAMENTS IN COMPLEMENT-MEDIATED RELEASE OF HISTAMINE. Elton Dupree, J. Andrew Grant and Armond S. Goldman. Depts. of Ped. and Internal Med., The Univ. of Texas Med. Br., Galveston. (432)
5. 10:00 DIMINISHED ALTERNATIVE COMPLEMENT PATHWAY (ACP) ACTIVITY AFTER SPLENECTOMY. Rutherford B. Polhill, Jr. and Richard B. Johnston, Jr., Univ. of Alabama Med. Ctr., Depts. of Ped. and Micro., Birmingham (462)

10:15 INTERMISSION

6. 10:30 DEFECTIVE SERUM OPSONIC ACTIVITY AND DEFECTIVE NEUTROPHILS IN A CHILD WITH SEVERE INFECTIONS. William H. Greene, Jonathan M. Gerrard, Harry R. Hill, William Krivit and Paul Quie. Univ. of Minnesota Med. Sch., Dept. of Ped., Minneapolis. (441)
7. 10:45 DEFECTIVE LEUKOTAXIS IN A CHILD WITH RECURRENT INFECTIONS. A. Todd Davis, Pamela G. Grady, Emmanuel Shapira and Lauren M. Pachman. Northwestern Univ. Med. Sch., Children's Mem. Hosp., Dept. of Ped., Chicago. (431)
8. 11:00 T AND B CELLS AND FUNCTIONAL RESPONSIVENESS IN HUMAN FETAL LIVER CELLS. Nalini Mukhopadhyay, John M. Falletta, John R. Montgomery, David M. Mumford and Donald J. Fernbach (Intr. by Kenneth A. Starling). Baylor Coll. of Med., Dept. of Ped., Houston. (455)

9. 11:15 LYMPHOID CHIMERISM WITH MILD GRAFT vs HOST REACTION FOLLOWING NON-MATCHED MARROW TRANSPLANTATION IN COMBINED IMMUNE DEFICIENCY. David G. Tubergen and Ross E. Petty (Intr. by Mason Barr). Univ. of Mich. Med. Sch., Dept. of Ped., Ann Arbor. (476)
10. 11:30 ADENOSINE DEAMINASE (ADA) ACTIVITY IN TISSUES OF ADA DEFICIENT-COMBINED IMMUNODEFICIENT (CID) PATIENTS. Bernard Pollara, Richard J. Pickering and Hilaire J. Meuwissen. N.Y.S. Kidney Disease and Birth Defects Inst., and Dept. of Ped., Albany Med. Coll., Albany. (463)

IMMUNOLOGY

Second Session
April 19, 1975, 2:00 P.M.

Assembly Room III

Moderator: Richard Johnston

11. 2:00 SPECIFIC IMPAIRMENT OF CELL-MEDIATED IMMUNITY IN MOTHERS OF INFANTS WITH CONGENITAL CYTOMEGALOVIRUS (CMV) INFECTION. M. Rola-Pleszczynski, L. D. Frenkel, D. A. Fuccillo, S. A. Hensen, M. M. Vincent, D. Reynolds, S. Stagno and J. A. Bellanti. Georgetown Univ. Sch. of Med., Washington D.C., N.I.H., Microbiological Associates, Bethesda, and Univ. of Alabama Sch. of Med., Birmingham. (466)
12. 2:15 EFFICACY OF CORD BLOOD MONONUCLEAR CELLS IN ANTIBODY-DEPENDENT CELL-MEDIATED CYTOTOXICITY TO TARGET CELLS INFECTED WITH HERPES SIMPLEX VIRUSES. Steven L. Shore, Henry Milgrom, Phyllis A. Wood and Andre J. Nahmias. Emory Univ., Dept. of Ped., and Center for Disease Control, Virology Div., Atlanta. (470)
13. 2:30 CHARACTERISTICS OF SERUM AND SECRETORY IMMUNE SYSTEM IN SUDDEN DEATH SYNDROME IN INFANTS (SIDS). P. L. Ogra, S. S. Ogra and P. R. Coppola. Depts. of Ped. and Micro., SUNY at Buffalo, N.Y. (459)
14. 2:45 THE ALTERNATIVE PATHWAY OF COMPLEMENT ACTIVATION (APC) IN SICKLE CELL ANEMIA (SS). Ronald G. Strauss, Judith Forristal and Clark D. West. Univ. of Cincinnati Coll. of Med., Dept. of Ped., Cincinnati. (420)
15. 3:00 STUDIES ON THE FIFTH COMPONENT OF COMPLEMENT (C5). COMPARISON OF HEMOLYTIC AND OPSONIC ACTIVITIES IN BOVINE MILK AND HUMAN PLASMA. R. G. Ganges and M. E. Miller. Dept. of Ped., Charles R. Drew Post-graduate Med. Sch., Los Angeles. (437)

3:15 INTERMISSION

16. 3:30 FETAL LIVER TRANSPLANTATION IN SEVERE COMBINED IMMUNODEFICIENCY (SCID: SUCCESS AND GRAFT-VERSUS-HOST (G-V-H) DISEASE. John K. Whisnant, Richard I. Schiff, Richard B. Gilbertsen, Marvin S. Platt and Rebecca H. Buckley. Duke Univ. Sch. of Med., Dept. Ped., Durham, N.C. (479)
17. 3:45 FETAL THYMUS TRANSPLANTS IN CELLULAR IMMUNODEFICIENCY DISORDERS. Arthur J. Ammann, Diane W. Wara, Nancy E. Doyle and Mitchell S. Golbus. Univ. of Calif., San Francisco, Immunology Section, Dept. of Ped. and Dept. of Ob/Gyn, San Francisco. (427)
18. 4:00 ABNORMAL NEUTROPHIL PHAGOCYTOSIS IN SICKLE-CELL DISEASE. James R. Humbert, Donna A. Chadwick, Patricia D. Hecht and John H. Githens. Univ. Colorado Med. Ctr., Depts. Biophysics/Genetics and Pediatrics, Denver. (446)
19. 4:15 ANTI-COMPLEMENTARY ACTIVITY OF SERA FROM PATIENTS WITH JUVENILE RHEUMATOID ARTHRITIS (JRA), RHEUMATOID ARTHRITIS (RA), SYSTEMIC LUPUS ERYTHEMATOSUS (SLE) AND NORMAL CONTROLS. Lauren M. Pachman, Sandra M. Baldwin and Shakuntala M. Gaekwar. Northwestern Univ. Med. Sch., Children's Mem. Hosp., Dept. of Ped., Chicago. (459)
20. 4:30 IMMUNOGLOBULIN E. (IgE) IN ACUTE OTITIS MEDIA. John L. Sloyer, Jr., Virgil M. Howie, John H. Ploussard and Charles C. Cate. 2345 Whitesburg Drive, Huntsville, Alabama (473)

INFECTIOUS DISEASE

First Session
April 18, 1975, 9:00 A.M.

Junior Ballroom

Moderator: Ralph Feigin

1. 9:00 EVALUATION OF INTRATHECAL THERAPY FOR MENINGITIS DUE TO GRAM-NEGATIVE ENTERIC BACTERIA. The Cooperative Neonatal Meningitis Study Group, presented by George H. McCracken, Jr., Coordinator. Dept. of Ped., Univ. of Texas Southwestern Med. Sch. at Dallas. (Intr. by John D. Nelson.) (516)
2. 9:15 THE ORIGIN OF GASTRIC POLYMORPHONUCLEAR LEUCOCYTES. Ushanalini Vasan, Dai M. Lim, Robert M. Greenstein and John R. Raye (Intr. by Martha L. Lepow). U. of Conn. Health Ctr., Dept. of Ped., Farmington, Conn. (530)
3. 9:30 NASOPHARYNGEAL CARRIAGE OF HEMOPHILUS INFLUENZAE, TYPE B, AND SERUM ANTIBODY LEVELS TO CAPSULAR POLYSACCHARIDE. Sarah H. Sell and Linda J. Duke. Vanderbilt Univ. Sch. of Med., Dept. of Ped., Nashville. (Intr. by D. T. Karzon.) (527)

4. 9:45 SEROLOGIC AND EPIDEMIOLOGIC STUDIES OF H. INFLUENZAE MENINGITIS. Frederic W. Bruhn, Helen B. Masters and Kenneth McIntosh. Univ. of Colorado Med. Ctr., Dept. of Ped., Denver. (492)
5. 10:00 ANAEROBES AND CHILDHOOD INFECTIONS. Muthayipalayam C. Thirumoorthi, Barbara M. Keen and Adnan S. Dajani. Children's Hospital of Michigan, Wayne State Univ., Sch. of Med., Detroit (538)

10:15 INTERMISSION

6. 10:30 NEUTROPHIL (PMN) OSIDATIVE METABOLISM AND BACTERICIDAL FUNCTION IN SICKLE CELL DISEASE (SCD). Ronald G. Strauss, Richard B. Johnston, Jr., Hernan Moreno, Joyce E. Lehmyer and Bernard B. Keele, Jr. Children's Hosp. Res. Fndn., Cincinnati, and the Univ. of Alabama, Dept. of Ped. (533)
7. 10:45 HEMOPHILUS INFLUENZAE TYPE B: LACK OF IN-VITRO ANTAGONISM BETWEEN PENICILLINS AND CHLORAMPHENICOL. Gerald A. Ahronheim (Intr. by Samuel L. Katz). Dept. of Ped., Duke Univ. Med. Ctr., Durham, N.C. (485)
8. 11:00 RAPID AMPICILLIN SENSITIVITY TESTING FOR HEMOPHILUS INFLUENZAE. Roger M. Barkin, Martha H. Roe and James K. Todd (Intr. by Kenneth McIntosh). Univ. of Colorado Med. Ctr. and The Children's Hosp. of Denver, Dept. of Ped. and Path., Denver. (488)
9. 11:15 ENZYMATIC MICROASSAY OF CHLORAMPHENICOL. A. L. Smith, I.R. Rosenberg, D. H. Smith and B. B. Emerson. Children's Hospital Med. Ctr., Dept. of Med., Boston, Mass. (530)
10. 11:30 ORAL DICLOXACILLIN AS A MODE OF THERAPY FOR TREATMENT OF ACUTE STAPHYLOCOCCAL OSTEOMYELITIS (ASO). Yvonne J. Bryson, James D. Connor, Mark LeClerc and Samuel T. Giammona (Intr. by William L. Nyhan). Dept. of Ped., Univ. of Calif., San Diego, La Jolla, Calif. and Children's Hosp., San Francisco. (493)

INFECTIOUS DISEASE

Second Session
April 19, 1975, 9:00 A.M.

Empire Room

Moderator: Marshall Horwitz

11. 9:00 CULTIVATION OF PNEUMOCYSTIS CARINII IN VITRO. Linda L. Pifer and Walter T. Hughes. Infectious Diseases Service, St. Jude Children's Res. Hosp., Memphis, Tn. (524)

12. 9:15 EXPERIMENTAL HSV ENCEPHALITIS: EFFECTS OF TREATMENT WITH PHOSPHONOACETIC ACID. John F. Griffith and James F. Fitzwilliam. Duke Univ. Med. Ctr., Dept. of Ped., Durham, N.C. (504)
13. 9:30 EFFECTIVE TREATMENT OF A MODEL CYTOMEGALOVIRUS INFECTION WITH A NEW CHEMOTHERAPEUTIC AGENT-PHOSPHONOACETIC ACID. Lowell A. Glasgow, Earl R. Kern and James C. Overall, Jr. Dept. of Ped., Univ. of Utah Coll. of Med., SLC, Utah. (503)
14. 9:45 IMMUNOPOTENTIATION AND ANTIVIRAL CHEMOTHERAPY IN EXPERIMENTAL HERPES-VIRUS ENCEPHALITIS. Gerald W. Fischer, John K. Podgore, Melvin W. Balk and James W. Bass. Tripler Army Medical Ctr., Dept. of Ped., Honolulu. (502)
15. 10:00 CENTRAL NERVOUS SYSTEM CANDIDIASIS. William Singer and Floyd Gilles (Intr. by Wm. Berenberg). Children's Hospital Med. Ctr., Boston. (529)

10:15 INTERMISSION

16. 10:30 BOOSTER IMMUNIZATION WITH LIVE MEASLES VACCINE. James W. Bass, Gerald W. Fischer, Scott B. Halstead, William R. Pearl, John K. Podgore, Manuel Schydlower and Robert A. Wiebe. Tripler Army Med. Ctr., Dept. of Ped., Honolulu. (490)
17. 10:45 LIVE INFLUENZA A (H₃N₂) ts-1 [E] VACCINE IN CHILDREN. Peter F. Wright, Tatsuhiko Shinozaki, Juliette M. Thompson, David T. Karzon. Vanderbilt Univ. Sch. of Med., Dept. of Ped., Nashville. (542)
18. 11:00 QUANTITATIVE DIFFERENCES IN ENTEROTOXIGENIC ESCHERICHIA COLI. Peter Echeverria, Arnold L. Smith and David H. Smith. Children's Hosp. Med. Ctr., Dept. of Med., Boston. (498)
19. 11:15 PERSISTANCE OF ANTIBODY FOLLOWING PRIMARY IMMUNIZATION WITH MENINGOCOCCAL A AND C POLYSACCHARIDE VACCINES AND RESPONSE TO BOOSTER DOSES. Martha L. Lepow, Ronald Gold, Irving Goldschneider and E. C. Gotschlich. Univ. of Conn. Health Ctr. and Rockefeller Univ., Dept. of Ped and Path., Farmington, Conn, and New York. (513)
20. 11:30 SAFETY OF PERTUSSIS RE-IMMUNIZATION IN ADULT HOSPITAL WORKERS: EXPERIENCE WITH 1000 SUBJECTS. Steven Minton, Calvin C. Linnemann, Jr., and John C. Partin. Dept. of Ped. (Children's Hosp. Res. Fndn.) and Dept. of Med., Univ. of Cincinnati, Cinn. (518)

METABOLISM

First Session
April 19, 1975, 9:00 A.M.

Terrace Room

Moderator: Jerry A. Schneider

1. 9:00 A PROPOSED ROLE FOR GALACTOSE IN NEONATAL GLUCOSE HOMEOSTASIS. John W. Sparks, Walter H. Glinsmann, Almorris Lynch and Ronald A. Chez (Intr. by C. U. Lowe). Lab. Biomed. Sci. and Preg. Res. Br. NICHD, NIH, Bethesda. (595)
2. 9:15 THE ROLE OF LACTATE AS A MAJOR METABOLIC SUBSTRATE IN THE OVINE FETUS. Laurence I. Burd, M. Douglas Jones, Jr., Michael A. Simmons, Edgar L. Makowski, Giacomo Meschia and Frederick C. Battaglia. Div. of Perinatal Med., Univ. of Colorado Med. Ctr., Denver. (550)
3. 9:30 SPLANCHNIC PRODUCTION OF GLUCOSE AND EXTRACTION OF GLUCONEOGENIC PRECURSORS IN THE FASTING BABOON NEONATE. Lynne L. Levitsky, John B. Paton and David E. Fisher. Dept. of Ped., Univ. of Chicago, Michael Reese Hosp. Med. Ctr., Chicago. (Intr. by S. P. Gotoff.) (575)
4. 9:45 LACK OF GLUCONEOGENESIS FROM ALANINE AT BIRTH. Michael F. Lowry and Peter A. J. Adam. Case Western Reserve University at Cleveland Metropolitan Gen. Hosp., Cleveland. (577)
5. 10:00 THE EFFECTS OF ORAL ALANINE ON PLASMA GLUCOSE, GLUCAGON AND INSULIN IN SMALL FOR GESTATION AGE INFANTS. P. R. Williams, R. H. Fiser, M. A. Sperling and W. Oh. UCLA Sch. of Med., Harbor Gen. Hosp., Dept. of Ped., Torrance, Calif. (606)

10:15 INTERMISSION

6. 10:30 FATTY ACID OXIDATION BY DEVELOPING BRAIN. Joseph B. Warshaw and Mary L. Terry. Dept. of Ped., Yale Sch. of Med., New Haven. (605)
7. 10:45 PROTEIN CONSERVATION WITHOUT DECREASED GLUCONEOGENESIS IN MALNOURISHED INFANTS. Douglas Kerr, Michael Stevens, Hazel Robinson and David Picou (Intr. by M. Klaus). Univ. of the West Indies, Tropical Metabolism Res. Unit, Kingston, Jamaica, and Case Western Reserve Univ., Univ. Hosp., Dept. Ped., Cleveland. (569)
8. 11:00 C-PEPTIDE SECRETION IN INSULIN REQUIRING JUVENILE DIABETES. R. S. Pildes, L. Grajwer, D. Horwitz and A. H. Rubenstein. Univ. of Illinois, Univ. of Chicago and Cook County Hosp., Depts. of Ped and Med., Chicago. (584)

9. 11:15 SERUM AND URINE ACTIVITIES OF LYSOSOMAL HYDROLASES IN JUVENILE DIABETES MELLITUS (JDM). Fred Bomback, Sachiko Nakagawa, Selma Kumin and Harold M. Nitowsky. Dept. of Ped., Albert Einstein Coll. of Med., New York. (548)
10. 11:30 A STUDY OF THE DOSE-EFFECT RELATIONSHIP OF CHOLESTYRAMINE IN CHILDREN WITH FAMILIAL HYPERCHOLESTEROLEMIA. J. R. Farah, Peter O. Kwiterovich and Catherine A. Neill, Johns Hopkins Univ., Dept. of Ped., Baltimore. (562)

METABOLISM

Second Session
April 19, 1975, 2:00 P.M.

Terrace Room

Moderator: Anthony Pagliara

11. 2:00 PHENYLKETONURIA DUE TO DEFICIENCY OF DIHYDROPTERIDINE REDUCTASE. Ian J. Butler, Neil A. Holtzman, Seymour Kaufman, Stephen H. Koslow, Allan Krumholz and Sheldon Milstien. Dept. of Ped. and Neurol., Johns Hopkins Univ. Sch. of Med., Baltimore, Md., Lab Neurochem., NIMH, Bethesda, Md., Lab. Preclin. Pharm., St. Elizabeth's Hosp., Washington, D.C. (551)
12. 2:15 CYSTINE DEPLETION OF CYSTINOTIC FIBROBLASTS BY CYSTEAMINE (MERCAPTOETHYLAMINE, MEA). Jesse G. Thoene, John Crawhall, Robert Oshima, William Rhead and Jerry A. Schneider. Univ. of Calif., San Diego, Sch. of Med., Dept. of Ped., La Jolla, Calif. (600)
13. 2:30 GAMMA-GLUTAMYL TRANSPEPTIDASE (GGIPase): INVESTIGATIONS IN NORMALS AND PATIENTS WITH INBORN ERRORS OF SULFUR METABOLISM. J. D. Schulman, A. D. Patrick, S. I. Goodman, F. Tietze and J. Butler. N.J.C.H.D. and N.I.A.M.D.D., Bethesda; Inst. of Child Health, London, England; and University of Colorado Sch. of Med., Dept. of Ped., Denver. (589)
14. 2:45 A NEW INBORN ERROR OF TRYPTOPHAN METABOLISM. Paul W. K. Wong, Phillip Forman and Parvin Justice. Abraham Lincoln Sch. of Med., Dept. of Ped., Univ. of Ill., Chicago. (600)
15. 3:00 CONGENITAL HYPERAMMONEMIA TREATED WITH α -KETO ANALOGUES OF ESSENTIAL AMINO ACIDS. Mark L. Batshaw, Saul Brusilow and Mackenzie Walser, Johns Hopkins Med. Inst., Baltimore. (544)

3:15 INTERMISSION

16. 3:30 GLYOXALATE METABOLISM IN SKIN FIBROBLASTS OF A PATIENT WITH TYPE I HYPEROXALURIA. Clive C. Solomons. Dept. of Ped., Univ. of Colorado Med. Ctr., Denver. (593)
17. 3:45 CLINICAL AND BIOCHEMICAL RESPONSE TO A KETOGENIC DIET IN TWO BROTHERS WITH PYRUVATE DEHYDROGENASE DEFICIENCY. Rena E. Falk, Stephen D. Cederbaum, John P. Blass, Frank J. Pruss and Robert E. Carrel (Intr. by Solomon A. Kaplan). UCLA Sch. of Med., Los Angeles, Depts. of Ped., Psych. and Biol. Chem. (561)
18. 4:00 METABOLIC STUDIES OF A FAMILY WITH PROBABLY GLUTAMATE FORMIMINO-TRANSFERASE DEFICIENCY. T. L. Perry, D. A. Applegarth, M. E. Evans, H. G. Dunn, S. Hansen and E. Jellum. Depts. of Pharm. and Ped., Univ. of British Columbia, Vancouver, and Rikshospitalet, Oslo. (Intr. by S. Israels.) (583)
19. 4:15 RECURRENT MYOGLOBINURIA AND MUSCLE CARNITINE PALMITYL-TRANSFERASE DEFICIENCY. James J. Herman, Maria Gumbinas and Henry L. Nadler. Northwestern Univ. Med. Sch., Children's Memorial Hosp., Chicago. (568)
20. 4:30 BETA-METHYLCROTONIC ACIDURIA, p-OHPHENYLLACTIC ACIDURIA IN A PATIENT WITH LACTIC ACIDOSIS. K. Roth, R. Cohn, P. Dodd and S. Segal. Univ. of Penna. Sch. of Med., Children's Hosp. of Philadelphia, Phila. (587)

MORPHOGENESIS

April 19, 1975, 2:00 P.M.
Gold Room

Moderator: Robert Summitt

1. 2:00 ALPHA-FETOPROTEIN (AFP) AND β -TRACE PROTEIN (β TP) IN PRENATAL DIAGNOSIS. Aubrey Milunsky, James N. Macri, Robert R. Weiss and Elliot Alpert. Harvard Med. Sch., State Univ. of New York, E. K. Shriver Ctr., Mass. General Hosp., and Nassau County Med. Ctr., Depts. Ped., Med., Animal Research, Ob/Gyn, Boston and New York. (622)
2. 2:15 BIRTHWEIGHT DOUBLING: A FRESH LOOK. Charlotte G. Neumann (Intr. by Solomon Kaplan). UCLA Sch. of Med., Dept. of Ped., Los Angeles. (623)
3. 2:30 PROMINENT LATERAL PALATINE RIDGES: DEVELOPMENTAL AND CLINICAL SIGNIFICANCE. James W. Hanson, M. Michael Cohen, Jr., and David W. Smith. Univ. of Wash. Sch. of Med., Dept. of Ped., Seattle. (616)

4. 2:45 THE FETAL HYDANTOIN SYNDROME. James W. Hanson and David W. Smith. Univ. of Wash. Sch. of Med., Dept. of Ped., Seattle. (617)
5. 3:00 CLINICAL MEASUREMENTS DIFFERENTIATING NORMAL SHORT STATURE FROM SKELETAL DYSPLASIAS. Murray Feingold, Tufts Univ. Sch. of Med., Dept. of Ped., Boston. (613)

3:15 INTERMISSION

6. 3:30 NUTRITIONAL SUPPLEMENTATION OF THE PREGNANT MOUSE AS A METHOD OF REDUCING THE INCIDENCE OF DRUG-INDUCED CLEFT PALATE. Robert L. Brent and K. T. Szabo. Jefferson Med. Coll. and Smith, Kline & French Labs., Phila. (609)
7. 3:45 HERPESVIRUS HOMINIS AS A CAUSE OF ABNORMAL HUMAN EMBRYONIC KIDNEY GROWTH IN ORGAN CULTURE. John F. S. Crocker, Judy Sparling, Kenneth Easterbrook. Juan Embil. Depts. of Ped. and Micro., Dalhousie Univ., and The Izaak Walton Killam Hosp. for Children, Halifax, Nova Scotia, Canada. (610)
8. 4:00 TERATOGENIC EFFECTS OF RETINOIC ACID IN MONKEYS. Alan G. Fantel, Thomas H. Shepard, Laura L. Newell and Benjamin C. Moffett. Depts. of Ped. and Orthodontics, Univ. of Wash., Seattle. (612)
9. 4:15 THE AICARDI SYNDROME. Alasdair G. W. Hunter, J. Raymond Buncic, Richard Merritt, Lionel Chisholm, Hosp. for Sick Children, Depts. of Genetics and Ophthalmology, Toronto. (Intr. by A. Sass-Kortsak.) (620)
10. 4:30 SHIFTING LINEAR GROWTH RATES DURING INFANCY. David W. Smith, William E. Truog, Mary Ann Sedgwick Harvey, James E. Rogers, Lawrence J. Greitzer, Alfred L. Skinner and John J. McCann. Univ. of Wash. Sch. of Med., Dept. of Ped., Seattle. (627)

NEONATOLOGY

First Session
April 19, 1975, 9:00 A.M.

Junior Ballroom

Moderator: John Sinclair

1. 9:00 THE EFFECTS OF CONTINUOUS PROLONGED ILLUMINATION ON THE NEWBORN PRIMATE RETINA. Kenneth H. Messner, Alphonse E. Leure-Dupree, M. Jeffrey Maisels (Intr. by Nicholas M. Nelson). Penn State Univ. Coll. of Med., M. S. Hershey Med. Ctr., Dept. Ophthal., Anat., Ped., Hershey, Penna. (669)

2. 9:15 EFFECT OF PHOTOTHERAPY ON NITROGEN, ELECTROLYTE AND WATER BALANCE IN PRE-TERM INFANTS. Paul Y. K. Wu and Amod S. Moosa. Dept. Ped., Univ. of S. Calif. Sch. of Med. and LAC-USC Med. Ctr. (696)
 3. 9:30 EFFECT OF PHOTOTHERAPY ON PLATELET COUNTS IN LOW BIRTH WEIGHT (LBW) INFANTS. Harold M. Maurer, Nancy B. McWilliams and Cheryl Hunter. Dept. of Ped., Med. Coll. of Virginia, Richmond. (668)
 4. 9:45 DISPLACEMENT OF BILIRUBIN IN CORD SERA BY GENTAMICIN AND CARBENICILLIN. David N. Schaffer, M. Jeffrey Maisels and Cheston M. Berlin (Intr. by Nicholas M. Nelson). Penn State Univ. Coll. of Med., M. S. Hershey Med. Ctr., Dept. of Ped., Hershey, Penna. (682)
 5. 10:00 THE DISPLACEMENT OF BILIRUBIN FROM ALBUMIN BY FUROSEMIDE. Seetha Shankaran and Ronald L. Poland. Dept. of Ped., Wayne State Univ. Sch. of Med., and the Children's Hospital of Michigan, Detroit. (683)
- 10:15 INTERMISSION
6. 10:30 REDUCED THROMBUS FORMATION WITH SILICONE RUBBER (SILASTIC) UMBILICAL ARTERY CATHETERS. Stephen J. Boros, Theodore R. Thompson, John W. Reynolds, Charles W. Jarvis and Hugh J. Williams. Children's Hospital, St. Paul, Minn. and Dept. of Ped., Univ. of Minnesota, Minneapolis. (637)
 7. 10:45 TRANSCUTANEOUS MEASUREMENTS OF ARTERIAL PO₂ IN SICK NEWBORNS. Leonard Indyk and L. Stanley James. Coll. of Physicians and Surgeons, Columbia Univ., Depts. of Ped. and Anes., New York. (660)
 8. 11:00 RETINOPATHY OF PREMATURETY: OBJECTIVE EVALUATION OF INCIDENCE, NATURAL HISTORY AND RESOLUTION BY FUNDUS PHOTOGRAPHY AND INTRAVENOUS FLUORESCEIN ANGIOGRAPHY. J. S. Curran, S. J. Cantolino, W. C. Edwards, T. C. Van Cader. Univ. of So. Florida., Depts. of Ped. & Ophthal., Tampa. (Intr. by L. Barness.) (645)
 9. 11:15 BLOOD TRANSFUSION (BT): POSSIBLE POTENTIATING RISK FACTOR IN RETROLENTAL FIBROPLASIA (RLF). Jacob V. Aranda, Tina E. Clark, Robert Maniello and Eugene W. Outerbridge (Intr. by Eleanor Colle). McGill Univ.-Montreal Children's Hospital Res. Inst. and Roche Developmental Pharm. Unit, McGill Univ., Montreal. (633)
 10. 11:30 THE EFFECT OF INTRAUTERINE (IU) ANEMIA ON THE OXYGEN AFFINITY (P₅₀) OF FETAL BLOOD. M. Orzalesi and W. W. Hay (Intr. by Charles D. Cook). Yale Univ. Sch. of Med., Dept. of Ped., New Haven, Conn., and Univ. of Naples 2nd Med. Sch., Chair of Neonatology, Naples, Italy. (674)

NEONATOLOGY

Second Session
April 19, 1975, 2:00 P.M.

Junior Ballroom

Moderator: Marshall Klaus

11. 2:00 THE EFFECT OF INTRAAMNIOTIC SODIUM BICARBONATE (NaHCO_3) ON THE ASPHYXIATED FETUS. John B. Paton, David E. Fisher, Yeai Roan and C. W. DeLannoy. Dept. of Ped., Michael Reese Med. Ctr., Chicago, Illinois. (Intr. S. P. Gotoff.) (677)
12. 2:15 FOAM STABILITY TEST ON GASTRIC ASPIRATE AND THE DIAGNOSIS OF RESPIRATORY DISTRESS SYNDROME (RDS). Richard M. Cowett, Edward J. Unsworth, David O. Hakanson, John R. Williams and William Oh. Brown Univ. Program in Med., Women & Infants Hospital of Rhode Island, Dept. of Perinatal Med., Providence. (641)
13. 2:30 INFLUENCE OF SLEEP STATE ON THE CONTROL OF VENTILATION. Neil N. Finer, Israel F. Abrams and H. W. Taeusch, Jr. (Intr. by M. E. Avery). Dept. of Ped. and Neurol., Harvard Med. Sch., Boston. (649)
14. 2:45 CHEMORECEPTOR FUNCTION AND SLEEP STATE IN APNEA. S. Allen Fagenholz, Kathleen C. O'Connell, Daniel C. Shannon. Harvard Med. Sch., Mass. Gen. Hosp., Dept. Ped., Boston (648)
15. 3:00 MILK PROTEIN QUALITY AND QUANTITY: BIOCHEMICAL AND GROWTH EFFECTS IN LOW BIRTH WEIGHT INFANTS (LBWI). N. Raiha, D. Rassin, K. Heinonen and G. Gaull. Dept. Ped., Univ. Helsinki, Dept. Ped. Res., N.Y. State Inst. Res. Ment. Retdn., Staten Island, and Dept. Ped., Mt. Sinai Sch. Med., CUNY. (679)

3:15 INTERMISSION

16. 3:30 IN VIVO EFFECT OF INTRALIPID INTRAVENOUS FEEDING ON SERUM LIPIDS AND BILIRUBIN IN THE NEONATE. Gail Andrew, George Chan, David Schiff. Depts. of Ped., and Ob/Gyn, Univ. of Alberta, Edmonton. (631)
17. 3:45 COMPUTER-ASSISTED INTENSIVE CARE. Paul H. Perlstein, Neil K. Edwards, Harry D. Atherton and James M. Sutherland. Univ. of Cinn. Coll. of Med., Dept. of Ped. (678)
18. 4:00 DIURNAL VARIATION IN QUALITY AND OUTCOME OF NEWBORN INTENSIVE CARE. Jon E. Tyson, Karoly Schultz and John C. Sinclair. McMaster Univ., Dept. of Ped., Hamilton, Ontario. (690)

19. 4:15 NEONATAL HYPERVISCOSITY: INCIDENCE AND EFFECT OF PARTIAL PLASMA EXCHANGE TRANSFUSION. Frederick H. Wirth, Karen E. Goldberg and Lula O. Lubchenco. Univ. Colorado Med. Ctr., Div. of Perinatal Med., Denver. (695)
20. 4:30 SUCCESSFUL TREATMENT OF "PERSISTENT FETAL CIRCULATION" WITH TOLAZOLINE. Sheldon B. Korones and Fabien G. Eyal (Intr. by Robert L. Summitt). Dept. of Ped., Univ. of Tennessee Ctr. for the Health Sciences, Memphis. (663)

NEPHROLOGY

First Session

April 19, 1975, 9:00 A.M.

Beverly Room

Moderator: Eddie Moore

1. 9:00 THE COMPLEMENT REACTIVE FACTOR(S) IN SERUM FROM PATIENTS WITH ACUTE POST-STREPTOCOCCAL NEPHRITIS. C. Frederic Strife, Enrique H. Vallota, Clark D. West. Univ. of Cinn. Coll. of Med. and Children's Hospital, Dept. of Ped., Cincinnati. (739)
2. 9:15 EARLY MORPHOLOGIC ABNORMALITIES OF THE KIDNEY MEDULLARY CYSTIC DISEASE. Jack S. Resnick and Robert L. Vernier. Dept. of Ped., Univ. of Minnesota Med. Sch., Minneapolis. (727)
3. 9:30 HYPERSENSITIVITY TO FOODS IN STEROID-DEPENDENT NEPHROSIS (SDN). Douglas H. Sandberg, Rawle M. McIntosh, Charles W. Bernstein, Bruce Deling and Jose Strauss. Univ. of Miami Sch. of Med., Dept. of Ped., Miami, and Univ. of Colorado Sch. of Med., Dept. of Ped. and Med., Denver. (732)
4. 9:45 SERUM IMMUNOGLOBULINS AND THE NEPHROTIC SYNDROME. Alan M. Robson, Thomas G. Cleary, Barbara R. Cole and Joseph Giangiacomo. Wash. Univ. Sch. of Med., Dept. of Ped. and St. Louis Children's Hosp., St. Louis. (731)
5. 10:00 IMMUNOGLOBULIN A IN INVOLVED AND UNINVOLVED SKIN OF CHILDREN WITH HENOCCH SCHONLEIN PURPURA. Joseph Giangiacomo and Cheng-Chang Tsai (Intr. by A. E. McElfresh). Cardinal Glennon Mem. Hosp. for Children and St. Louis Univ. Sch. of Med., Dept. of Ped. and Path., St. Louis. (710)

10:15 INTERMISSION

6. 10:30 FAILURE TO DEMONSTRATE TRANSPLACENTAL PASSAGE OF A NATRIURETIC HORMONE. John K. Hurley, Stanley E. Kirkpatrick, Paul T. Pitlick, William F. Friedman and Stanley A. Mendoza (Intr. by Stanley A. Mendoza). Univ. of Calif., San Diego, Sch. of Med., La Jolla, Calif. (713)
7. 10:45 INTRARENAL BLOOD FLOW IN THE BABOON FETUS. Eddie S. Moore, Maurina B. Galvez, John B. Paton, David E. Fisher and Richard E. Behrman. Dept. of Ped., Univ. of Chicago at the Michael Reese Med. Ctr., Chicago. (722)
8. 11:00 RENAL BICARBONATE REABSORPTION IN THE FETUS. Jean E. Robillard and Fred G. Smith, Jr. Univ. of Iowa Coll. of Med., Dept. of Ped., Iowa City. (729)
9. 11:15 INTRAUTERINE (I) AND EXTRAUTERINE (E) PATTERNS (P) OF RENAL FUNCTIONAL MATURATION COMPARED IN THE HUMAN NEONATE. Billy S. Arant, Jr. (Intr. by James N. Etteldorf). Univ. of Tenn. Ctr. Health Sci., Dept. of Ped., Memphis. (700)
10. 11:30 EFFECT OF HYPOXIA ON RENAL FUNCTION IN PUPPIES. M. H. Winterborn, W. A. Primack, C. M. Edelman, Jr., and A. Spitzer (Intr. by A. Spitzer). Albert Einstein Coll. of Med., Bronx, N.Y. (746)

NEPHROLOGY

Second Session
April 19, 1975, 2:00 P.M.

Beverly Room

Moderator: Stanley Mendoza

11. 2:00 MEASUREMENT OF GLOMERULAR FILTRATION RATE BY FLUORESCENT EXCITATION OF NON-RADIOACTIVE IOTHALAMATE. Sheldon Orloff, Pierre Guesry, Leon Kaufman, Sybil Swann and Malcolm Holliday. Univ. of Calif., San Francisco, Dept. of Ped. (725)
12. 2:15 LATE NON-RESPONSIVENESS TO STEROIDS IN CHILDREN WITH NEPHROTIC SYNDROME. E. Trainin, H. Boichis, A. Spitzer, C. M. Edelmann, Jr. and I. Greifer (Intr. by C. M. Edelmann, Jr.). Albert Einstein Coll. of Med., Bronx, N.Y. (742)
13. 2:30 BACTERIURIA IN FAMILY MEMBERS OF CHILDREN WITH RECURRENT URINARY TRACT INFECTIONS (UTI's). Robert S. Fennell, III, Sandra G. Wilson, Norman D. Pryor, Carl D. Sorgen, Eduardo H. Garin, R. Dixon Walker and George A. Richard (Intr. by Elia M. Ayoub). Univ. of Florida Coll. of Med., Dept. of Ped., Gainesville. (706)

14. 2:45 LONG TERM FOLLOW-UP OF POSTSTREPTOCOCCAL GLOMERULONEPHRITIS IN CHILDREN. Robert G. Schacht, Mohammed Sajjad Iqbal and David S. Baldwin (Intr. by Joseph Dancis). N.Y.U. Med. Ctr., Depts. of Ped. and Med., New York. (733)

15. 3:00 NEPHROGENIC DIABETES INSIPIDUS - TYPE II: DEFECT DISTAL TO THE ADENYLATE CYCLASE STEP. Donald Zimmerman and Orville C. Green. Northwestern Univ. Med. Sch. and The Children's Mem. Hosp., Dept. Ped., Chicago. (748)

3:15 INTERMISSION

16. 3:30 PERIPHERAL PLASMA RENIN ACTIVITY (PRA) IN NORMAL CHILDREN. Philip Stalker, Theodore Kotchen, Jane M. Kotchen and Nancy H. Holland. Depts. of Ped., Med., and Community Med., Univ. of Ky. Med. Ctr., Lexington. (738)

17. 3:45 SODIUM BALANCE AND PERIPHERAL RENIN ACTIVITY (PRA) IN CHILDREN. Linda B. Hiner, H. Jorge Baluarte, Mary L. Cote, Joseph Girone, Edward Rothstein, Ruth P. Schiller, Neil Schlackman, Howard Thomas and Alan B. Gruskin. St. Christopher's Hosp. for Children, Dept. Ped., Temple Univ. Med. Sch., Philadelphia. (712)

18. 4:00 SERUM PROSTAGLANDIN E LEVELS IN THE NEONATE. Richard L. Siegler, Ronald H. Crouch, Margaret W. Miller, William Jubiz (Intr. by Lowell A Glasgow). Dept. of Ped. and Med., Univ. of Utah Coll. of Med., Univ. and VA Hosps., Salt Lake City. (736)

19. 4:15 HYPERTENSION IN PEDIATRIC RENAL TRANSPLANT PATIENTS. J. R. Ingelfinger, J. M. Lazarus, R. H. Levey, E. G. Lowrie, M. Topor and W. E. Grupe. Children's Hosp. Med. Ctr., Boston. (715)

20. 4:30 ABNORMAL RED CELL PHOSPHOLIPIDS (PL) IN THE HEMOLYTIC UREMIC SYNDROME (HUS) ASSOCIATED WITH DECREASED SERUM TOCOPHEROL LEVELS. Sean O'Regan, David K. Melhorn, Russell W. Chesney, Bernard S. Kaplan and Keith N. Drummond. McGill Univ.-Montreal Children's Hosp. Res. Inst., Dept. of Nephrology, Montreal, and Case Western Reserve Univ., Rainbow Babies & Children's Hosp., Dept. of Ped. Hematology, Cleveland. (724)

NEUROLOGY

April 19, 1975, 2:00 P.M.

Spruce Room

Moderator: Jerry Murphy

1. 2:00 THYMIDINE KINASE AND HERPES SIMPLEX ENCEPHALITIS. Milo D. Hilty, Virginia Merchant and Ralph E. Haynes. Med. Coll. of GA, Dept. of Ped., Augusta, and Ohio State Univ., Coll. of Med., Children's Hosp., Dept. of Ped., Columbus. (Intr. by Bruce D. Graham.) (758)
2. 2:15 CEREBRAL METABOLISM IN THE SHEEP: A COMPARATIVE STUDY OF THE ADULT, THE LAMB, AND THE FETUS. M. Douglas Jones, Jr., Laurence I. Burd, Edgar L. Makowski, Giacomo Meschia and Frederick W. Battaglia. Div. of Perinatal Med., Univ. of Colorado Med. Ctr., Denver. (759)
3. 2:30 REDUCED DEFORMABILITY OF ERYTHROCYTE MEMBRANES FROM PATIENTS WITH DUCHENNE MUSCULAR DYSTROPHY. Alan K. Percy and Michael E. Miller. Charles R. Drew Postgraduate Med. Sch., Dept. of Ped., Los Angeles. (762)
4. 2:45 METABOLIC ACTIVITY OF ISOLATED BRAIN CAPILLARIES. G. W. Goldstein, J. S. Wolinsky and I. Diamond. Depts. Neurol. and Ped., Univ. California at San Francisco, S.F., Calif. (754)
5. 3:00 GLUTARIC ACIDURIA DUE TO GLUTARYL-CoA DEHYDROGENASE DEFICIENCY: INHIBITION OF BRAIN GLUTAMATE DECARBOXYLASE BY GLUTARIC, β -HYDROXYGLUTARIC, AND GLUTACONIC ACIDS. Stephen I. Goodman, Oddvar Stokke and Paul G. Moe (Intr. by Donough O'Brien). Univ. Colorado Med. Ctr., Dept. Ped., Denver. (755)
6. 3:30 INTRACEREBELLAR HEMORRHAGE AS A POSSIBLE COMPLICATION OF MASK APPLIED MECHANICAL VENTILATION IN THE LOW BIRTH WEIGHT INFANT. Karen Pape, Dawna Armstrong and Pamela Fitzhardinge. Res. Inst., Hosp. for Sick Children, Univ. of Toronto, Toronto, Canada. (Intr. by A. Sass-Kortsak.) (761)
7. 3:45 CLINICOPATHOLOGIC CORRELATES IN FAMILIAL DYSAUTONOMIA. Felicia B. Axelrod, Joseph Dancis and John Pearson. N.Y.U. Sch. of Med., Dept. of Ped. and Path., New York. (749)
8. 4:00 SERUM NERVE GROWTH FACTOR LEVELS IN FAMILIAL DYSAUTONOMIA. John G. Rogers, David C. Siggers, Samuel H. Boyer, Louise Margolet, Henry Dorkin, Shailesh P. Banerjee and Eric M. Shooter (Intr. by Barton Childs). Johns Hopkins Univ., Johns Hopkins Hosp., Dept. of Med., Baltimore, and Stanford Univ., Sch. of Med., Stanford. (764)
9. 4:15 THE NEUROLOGIC OUTCOME OF INFANTS EVALUATED FOR UNBOUND BILIRUBIN. Frederick H. Wirth, Karen E. Goldberg and Lula O. Lubchenco. Univ. Colorado Med. Ctr., Div. of Perinatal Med., Denver. (772)

10. 4:30 C.A.T. SCAN IN NEUROGENETIC DISORDERS. Donald W. Day, George F. Smith, Jeannette N. Israel and Richard Penn. Rush Med. Coll., Depts. Ped. and Neurosurgery, Chicago. (751)

ONCOLOGY

April 18, 1975, 9:00 A.M.

Silver and Gold Rooms

Moderator: James T. Lowman

1. 9:00 THE CARCINOEMBRYONIC ANTIGEN (CEA) ASSAY: PROGNOSTIC IMPLICATIONS IN NEURAL CREST TUMORS. David B. Frens, Patrick F. Bray, James T. Wu, and Gary C. Lang. Div. of Ped. Neurol., Depts. of Neurol. and Ped., Univ. of Utah Coll. of Med., Salt Lake City. (779)
2. 9:15 LEUKEMIA IN CHILDREN WITH WILMS' TUMOR. Edward S. Baum, Hahng Lee, Allen D. Schwartz. Northwestern Univ. Med. Sch., Children's Mem. Hosp., Dept. of Ped., Chicago. (775)
3. 9:30 COMPLICATIONS OF LAPAROTOMY AND SPLENECTOMY IN THE STAGING OF HODGKIN'S DISEASE (H.D.) IN CHILDREN. Philip Lanzkowsky, Gungor Karayalcin, Ashok Shende and Robert Levy. Dept. of Ped. and Med., Sch. of Med., Health Sci. Ctr., SUNY at Stony Brook and Long Island Jewish-Hillside Med. Ctr., New Hyde Park, N.Y. (794)
4. 9:45 ABNORMAL FOLATE BINDER IN ACUTE LYMPHOCYTIC LEUKEMIA. Bart Kaman, Douglas Caston and Samuel Gross. Case Western Reserve Univ. Sch. of Med. and Univ. Hosp., Depts. of Anat. and Ped., Cleveland. (791)
5. 10:00 URIC ACID, XANTHINE AND HYPOXANTHINE EXCRETION (UXH) AS AN INDEX OF "REMISSION" STATUS. James A. Stockman, III, Marie J. Stuart and Frank A. Oski. SUNY, Upstate Med. Ctr., Dept. of Ped., Syracuse. (803)

10:15 INTERMISSION

6. 10:30 ABNORMALITIES OF LYMPHOCYTE BLASTOGENESIS IN ACUTE LYMPHOBLASTIC LEUKEMIA (ALL). David K. Kalwinsky, Joan R. Urmson, Ann E. Stitzel and Roger E. Spitzer. Upstate Med. Ctr., SUNY, Dept. of Ped., Syracuse. (790)

7. 10:45 CHANGES IN T AND B LYMPHOCYTE POPULATIONS DURING THE COURSE OF ACUTE LYMPHOBLASTIC LEUKEMIA (ALL) IN CHILDREN. Rochelle G. Neiburger and Robert L. Baehner. Indiana Univ. Sch. of Med., Dept. of Ped., Indianapolis. (802)
8. 11:00 LYMPHOBLAST SURFACE MARKERS AND TERMINAL TRANSFERASE IN ACUTE LYMPHOCYTIC LEUKEMIA. Martha F. Greenwood, Mary S. Coleman, John J. Hutton, I. Tsukimoto, Beatrice C. Lampkin and Phillip Holland. Depts. of Ped. and Med., Univ. of Ky. Med. Sch., Lexington and Children's Hosp., Cincinnati. (785)
9. 11:15 COMPARISON OF FOUR SCHEDULES OF CHEMOTHERAPY DURING REMISSION OF CHILDHOOD ACUTE LYMPHOCYTIC LEUKEMIA (ALL). Rhomes J. A. Aur, Joseph V. Simone, Manuel S. Verzosa, H. O. Hustu, Larry F. Barker and Donald P. Pinkel. Hematology-Oncology, St. Jude Children's Res. Hosp., Memphis. (773)
10. 11:30 "GRAFT VS. LEUKEMIA" (GVL) IN TWO PATIENTS WITH ACUTE LYMPHOBLASTIC LEUKEMIA (ALL) FOLLOWING BONE MARROW TRANSPLANT (BMT). L. A. Furman, J. R. Humbert, C. S. August, S. L. Rusnak, D. C. Peakman, H. Morse and J. H. Githens. Univ. of Colorado Sch. of Med., Denver. (781)

PULMONOLOGY

First Session
April 18, 1975, 9:00 A.M.

Showcase Area II

Moderator: Daniel Shannon

1. 9:00 CYCLIC AMP (cAMP) AND SURFACTANT PRODUCTION: NEW MEANS FOR ENHANCING LUNG MATURATION IN THE FETUS. Cynthia T. Barrett, Alex Sevanian and Solomon A. Kaplan. UCLA Sch. of Med., Dept. of Ped., Los Angeles. (821)
2. 9:15 PHARMACOLOGICAL INDUCTION AND INHIBITION OF LUNG MATURATION IN FETAL RABBITS. E. H. Karotkin, W. J. Cashore, M. Kido, R. A. Redding, W. Douglas, L. Stern and W. Oh. Brown Univ. Program in Med., Women and Infants Hosp. of Rhode Island, Dept. of Perinatal Med., Providence, R.I. (844)
3. 9:30 PRIMATE FETAL LUNG IN GESTATIONS COMPLICATED BY MATERNAL GLUCOSE INTOLERANCE. Michael F. Epstein and Philip M. Farrell. NICHD, NIH, Bethesda, Md. (831)

4. 9:45 RDS: THE ABSENCE OF PHOSPHATIDYLGLYCEROL IN SURFACTANT. Mikko Hallman, Bernard Feldman and Louis Gluck. Univ. of Calif., San Diego, Sch. of Med., Dept. Ped., Div. Perinatal Med., La Jolla, Calif. (837)
5. 10:00 CORD BLOOD ALPHA₁-ANTITRYPSIN, AMNIOTIC FLUID SURFACTANT, AND THE RESPIRATORY DISTRESS SYNDROME. Donald W. Thibeault, Allan D. Singer, Douglas C. Heiner and Calvin J. Hobel. UCLA Sch. of Med., Harbor Gen. Hosp., Torrance, Calif. (867)

10:15 INTERMISSION

6. 10:30 MORPHOLOGICAL DEVELOPMENT OF THE PULMONARY VASCULAR BED IN FETAL LAMBS. Daniel L. Levin, Michael A. Heymann, Roderic H. Phibbs and Abraham M. Rudolph. Univ. of Calif. San Francisco, Dept. of Ped. and Cardiovascular Res. Inst., San Francisco. (849)
7. 10:45 PULMONARY WATER AND PULMONARY BLOOD FLOW (PBF) IN LAMBS WITH HYALINE MEMBRANE DISEASE (HMD). A. C. Allen, D. A. Stinson, H. M. MacDonald, E. A. Contreras, I. R. Holzman and P. M. Taylor. Univ. of Pittsburgh Sch. of Med., Magee-Womens Hosp., Dept. of Ped., Pittsburgh, Pa. (817)
8. 11:00 THE EFFECT OF INTERMITTENT POSITIVE PRESSURE VENTILATION (IPPV) ON THE CIRCULATION OF THE INFANT MONKEY. J. B. Paton, D. E. Fisher, and R. E. Behrman. Dept. of Ped., Michael Reese Hosp. and Med. Ctr., Chicago, Ill. and Babies Hosp., New York. (857)
9. 11:15 SEQUENTIAL PULMONARY FUNCTION STUDIES IN PREMATURE LAMBS WITH CONTINUOUS POSITIVE AIRWAY PRESSURE (CPAP) DURING THE FIRST SIX HOURS OF LIFE. Thomas H. Shaffer and Maria Delivoria-Papadopoulos. Univ. of Pennsylvania, Sch. of Med., Depts. of Phys. and Ped., Phila. (802)
10. 11:30 MUSCLE OXYGEN AVAILABLE (O_{2a}) AS A CRITERION FOR CPPB EFFECTIVENESS. Robert F. Huxtable, Anthony V. Beran, Kenneth G. Proctor and Donald R. Sperling (Intr. by T. L. Nelson). Univ. of Calif. Col. of Med., Dept. of Ped., Irvine. (841)

PULMONOLOGY

Second Session

April 19, 1975, 9:00 A.M.

Assembly Rooms II and III

Moderator: Richard Talamo

11. 9:00 EFFECTIVENESS OF ATROPINE SULFATE AEROSOL AS A BRONCHODILATOR IN ASTHMATIC CHILDREN. Gerd J. A. Cropp. Nat. Asth. Ctr., Dept. Clin. Physiol., Denver. (828)

12. 9:15 TERBUTALINE IN THE TREATMENT OF STATUS ASTHMATICUS. Leila M. Pang, Frank Rodriguez-Martinez, William Chernack, William J. Davis and Robert B. Mellins. Columbia Univ. Coll. of Physicians and Surgeons, Depts. of Ped. and Anesth., New York. (855)
13. 9:30 STUDIES ON PULMONARY ALVEOLAR PROTEINOSIS (PAP). Byung H. Park, Karlman Wasserman, Raymond Ajugwo and Douglas C. Heiner. UCLA Sch. of Med., Harbor General Hosp., Depts. Ped. and Med., Torrance, Calif. (856)
14. 9:45 MUCOCILIARY TRANSPORT IN THE TRACHEA OF PATIENTS WITH CYSTIC FIBROSIS. Norman A. Aspin, Donovan B. Yeates, Jennifer M. Sturgess, Douglas N. Crozier and Henry Levison. Res. Inst., The Hosp. for Sick Children, Toronto. (819)
15. 10:00 DEMONSTRATION OF HUMAN LEUKOCYTE DEGRANULATION INDUCED BY SERA FROM CYSTIC FIBROSIS PATIENTS AND CARRIERS. James H. Conover, Elaine J. Conod and Kurt Hirschhorn. Dept. of Ped., Mount Sinai Sch. of Med., New York. (826)

10:15 INTERMISSION

16. 10:30 SUCCESSFUL PROLONGED EXTRACORPOREAL MEMBRANE OXYGENATION OF A LEUKEMIC CHILD WITH VARICELLA PNEUMONIA. Thomas R. Kinney, Richard E. Hicks, L. Henry Edmunds, Russell C. Raphaely, J. Frederick Jones and Milton H. Donaldson. Univ. of Pennsylvania Sch. of Med., Children's Hosp. of Phila., Depts. of Ped, (Oncology), Surg. and Anesth., Phila. (845)
17. 10:45 APNEA ASSOCIATED WITH RESPIRATORY SYNCYTIAL VIRUS INFECTION. Frederic W. Bruhn, Stefan T. Mokrohisky and Kenneth McIntosh. Univ. of Colorado Med. Ctr., Dept. of Ped., and Denver General Hosp., Denver. (822)
18. 11:00 THE RESPONSE OF NEONATES TO ADDED RESPIRATORY LOADS. M. Heather Bryan, Richard L. Knill, S. Margaret L. Kirkpatrick, M. John O'Brien and A. Charles Bryan. Dept. of Ped., Univ. of Toronto, and the Res. Inst., The Hosp. for Sick Children, Toronto. (824)
19. 11:45 VAGAL CONTROL OF BREATHING INDEPENDENT OF LUNG INFLATION IN NEONATES. Mary M. K. Seshia, Rodney B. Boychuk, Donald B. Gates and Henrique Rigatto (Intr. by Victor Chernick). Univ. of Manitoba, Dept. of Ped., Winnipeg. (861)
20. 11:30 VENTILATORY STABILITY OF THE PREMATURE INFANT. Saul M. Adler, Bradley T. Thach and Ivan D. Frantz, III (Intr. by M. E. Avery). Dept. of Ped., Harvard Med. Sch., Boston. (816)