FIFTH ANNUAL MEETING
and
POSTGRADUATE COURSE

March 11-14, 1980
Palmer House Hotel
State and Monroe Streets
Chicago, Illinois
U.S.A.
AMERICAN SOCIETY OF ANDROLOGY
1979 - 1980

OFFICERS
President - N.J. Alexander, Ph.D.
Vice President - P. Troen, M.D.
Secretary - R. Ansbacher, M.D.
Treasurer - R.J. Sherins, M.D.

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M.Dym, Ph.D. R.S. Swerdloff, M.D.
L. Ewing, Ph.D. T.T. Turner, Ph.D.
W.C. Hembree, M.D. P.C. Walsh, M.D.

COMMITTEE CHAIRMEN
Awards - B. Schanbacher, Ph.D.
Constitution and By-Laws - R. Harrison, Ph.D.
Education - E. Steinberger, M.D.
Finance - R. Sherins, M.D.
Future Meetings - E. Goldberg, Ph.D.
Liaison - E. Rosemberg, M.D.
Membership - M. Free, Ph.D.
Nomination - H. Nankin, M.D.
Publication - E. Rosemberg, M.D.
AMERICAN SOCIETY OF ANDROLOGY

PAST PRESIDENTS

1975-1976. ................................................... E. Steinberger, M.D.
1976-1977. ................................................... E. Steinberger, M.D.
1977-1978. ................................................... D.W. Fawcett, M.D.
1978-1979. ................................................... A.C. Paulsen, M.D.

HONORARY MEMBERS

1976 ............................................................ M.C. Chang, M.D.
1976 ............................................................ R.O. Greep, M.D.
1977 ............................................................ R.E. Mancini, M.D.
1978 ............................................................ T. Mann, M.D., Sc.D., Ph.D., F.R.S.
1978 ............................................................ R.S. Hotchkiss, M.D.
1979 ............................................................ J. Macleod, Ph.D.
GENERAL INFORMATION

THE AMERICAN SOCIETY OF ANDROLOGY

The American Society of Andrology was founded in 1975 to meet the need of focusing attention and exchanging scientific information in the area of male reproduction. The Society is made up of clinicians and basic scientists from a wide range of disciplines and specialties whose interests range from fundamental morphological, physiological, biochemical and pharmacological studies to clinical, diagnostic, therapeutic, surgical and behavioral studies. The membership is growing rapidly and numbers approximately 500 at the present time. The official publication of the Society is The Journal of Andrology of which the first issue was recently published.

If you are not a member of the Society, we encourage you to become one. Application forms are available at the Registration Desk, Room PDR 18.

MEETING SITE

The 1980 meeting is held at the Palmer House Hotel (312-726-7500), the main entrance of which is located at 17 E. Monroe, between Wabash Ave. and State St. The Palmer House is one of the largest hotels in the world and is built in the image of the luxurious international hotels of Europe. A variety of restaurants and lounges are available at the Palmer House which provide a broad spectrum of menus and decor from which to choose during your stay. Of special interest is the Gaslight Club, where we will be holding our cocktail party and banquet (see further). The hotel has a heated, indoor swimming pool which is free to all guests during the hours of 9:00 am to 9:00 pm. The Palmer House is in the heart of Chicago's downtown shopping district, with Marshall Field & Co., one of the world's largest department stores, only one block away. An information desk is available in the lobby of the hotel which organizes sight-seeing tours and other activities in the city. The Palmer House is located within walking distance to the Art Institute of Chicago, theatres, opera house, etc. Several other museums and points of interest are easily accessible by bus or cab.
TRANSPORTATION FROM O'HARE AIRPORT TO THE HOTEL

From O'Hare airport, cab fare to the hotel is approximately $14.00. However, Continental Air Transport provides airport bus service for $4.30. The buses leave approximately every 15-30 minutes from the bottom floor of each terminal and go directly to the Palmer House. Look for the sign that says “South Loop” on the bus. Very adventurous individuals can reach the Palmer House for 90¢ (ask for a transfer) by taking the Chicago Transit Authority (CTA) bus (#40) from the airport (leaves about every 15-30 minutes from the bottom floor of each terminal) to the Jefferson Park “L” (elevated train) station. Take either the A or B train downtown to the Monroe St. station. Walk east on Monroe St. approximately 2 blocks to the Palmer House.

REGISTRATION

The registration desk in Room PDR 18 will be open Monday, March 10, from 6:00 p.m. to 10:00 p.m.; Tuesday, March 11, from 8:00 a.m. to 4:00 p.m.; and Wednesday, March 12 from 8:00 a.m. to 12:00 p.m. To reach room PDR 18, go to the fourth floor of the hotel and follow the signs. All participants, whether preregistered or not, should register in order to receive this program, the badge and other items. The abstracts have been published in the second issue of The Journal of Andrology, which was sent to all preregistrants. Those who register at the meeting will receive the issue at that time.

STATE-OF-ART LECTURES

Three keynote speakers will address this year’s program topic: “Development of Male Contraceptive Methodology.” The presentations will be held from 11:30 a.m. to 12:30 p.m. on Wednesday, March 12; Thursday, March 13; and Friday, March 14 in the Red Lacquer Room on the fourth floor of the hotel. One of the speakers will receive the Serono Award for excellence in the field of Andrology.

POSTGRADUATE COURSE

The postgraduate course will be held on Tuesday, March 11, from 8:00 a.m. - 12:00 p.m. and 1:00 p.m. - 5:00 p.m. in Parlor A on the sixth floor of the hotel. Eight 1-hour seminars will be presented, four on important topics in clinical andrology and four on the more basic aspects of andrology. This continuing medical education offer-
ing meets the criteria for seven credit hours in Category I of the Physician’s Recognition Award of the American Medical Association, provided it is used and completed as designed. The fee for the complete course is $100; for the Basic Science Session only, $25. Those who have not registered for the course in advance may do so at the Registration Desk.

**WORKSHOP ON MALE CONTRACEPTIVE DEVELOPMENT**

A workshop on the development of male contraceptive techniques will be held Wednesday, March 12, from 4:45 p.m. - 6:45 p.m. in the Wabash Room of the hotel. A number of topics will be discussed by a panel of experts from the government, industry and universities. Audience participation is encouraged. Admission is free and everyone is encouraged to come.

**BUSINESS MEETING**

The Annual Business Meeting of the American Society of Andrology will be held Thursday, March 13, from 4:45 p.m. to 5:45 p.m. in the Wabash Room on the third floor of the hotel. Committee reports, unfinished and new business will be presented. All members of the Society are urged to participate.

**ABSTRACT SESSIONS**

Abstracts will be presented on Wednesday, March 12; Thursday, March 13; and Friday, March 14, starting at 8:30 a.m. and lasting to 4:30 p.m. On Wednesday and Thursday, the sessions will be held in the Red Lacquer Room. Two simultaneous sessions will be held on Friday, one in the Red Lacquer Room and the other in the State Ball Room. Both rooms are located on the fourth floor of the hotel. Coffee breaks will be held daily from 10:00 a.m. to 10:15 a.m. with coffee, sanka and tea being served in the hallway outside the Red Lacquer Room. Luncheon breaks will take place from 12:30 p.m. to 2:00 p.m.

Each abstract will consist of a 10 minute presentation and five minutes for questions and answers.

**COCKTAIL RECEPTION**

A cocktail reception will be held on Tuesday, March 11, from 7:00 p.m. to 9:00 p.m. in the Theodoro Room of the Gaslight Club. The Club can be reached by taking the elevator at the west end of the hotel to the club floor and following the signs. The reception will
feature a cash bar, complimentary hors d'oeuvres, Tommy Rigsby at the piano and the Gaslight Girls entertaining. Come to meet old friends and acquire new ones.

BANQUET

The Annual Banquet will be held on Thursday, March 13, from 7:30 p.m. to 10:00 p.m. in the Speakeasy Room of the Gaslight Club. The banquet will include a dinner, wine and a Speakeasy Show. Spend the evening back in the days of Al Capone, when the sounds of Chicago Jazz prevailed and reality gave way to fantasy behind the closed doors of the "speakeasies." Tickets are $20 per person. For those who did not preregister, tickets can be purchased at the Registration Desk. Only a limited number of tickets are available so obtain them immediately on arrival if you wish to attend.

COMMERCIAL EXHIBITS

Commercial companies who wish to exhibit their products will do so during the meeting in Room PDR 18 (go to fourth floor, follow signs), the same room in which the Registration Desk is located.
STATE-OF-ART LECTURES
(Red Lacquer Room, 4th Floor)

“DEVELOPMENT OF MALE CONTRACEPTIVE METHODOLOGY”

WEDNESDAY, MARCH 12, 1980; 11:30 a.m. - 12:30 p.m.

MALE CONTRACEPTIVE DEVELOPMENT: CHEMICAL METHODS

Serono Award speaker: C.A. Paulsen, M.D.
University of Washington
Seattle, Washington

THURSDAY, MARCH 13, 1980; 11:30 a.m. - 12:30 p.m.

ANTIFERTILITY EFFECT OF LHRH AGONISTS IN THE MALE

F. Labrie, M.D., Ph.D.
Le Centre Hospitalier de l’Universite Laval
Quebec, Canada

FRIDAY, MARCH 14, 1980; 11:30 a.m. - 12:30 p.m.

SURGICAL APPROACHES TO VAS OCCLUSION: VAS INTERRUPTION AND REVERSIBLE DEVICES

J.E. Davis, M.D.
New York Medical College
New York, N.Y.
POSTGRADUATE COURSE*

TUESDAY, MARCH 11, 1980
(Parlor A, 6th Floor)

Director: Emil Steinberger, M.D.

Clinical Andrology Session

8:00 a.m. - 9:00 a.m. TESTICULAR BIOPSY - INDICATIONS, TECHNIQUES AND INTERPRETATIONS.
C.A. Paulsen, M.D.

9:00 a.m. - 10:00 a.m. ENDOCRINE TESTS IN EVALUATION OF TESTICULAR FUNCTION
C.A. Paulsen, M.D.

10:00 a.m. - 11:00 a.m. GONADOTROPINS IN TREATMENT OF TESTICULAR DYSFUNCTION
R. Sherins, M.D.

11:00 a.m. - 12:00 p.m. EVALUATION OF THE INFERTILE COUPLE
E. Steinberger, M.D.

12:00 a.m. - 1:00 p.m. LUNCHEON BREAK

Basic Science Session

1:00 p.m. - 2:00 p.m. MOLECULAR MECHANISMS INVOLVED IN HORMONAL CONTROL OF SPERMATOGENESIS
C. Bardin, M.D.

2:00 p.m. - 3:00 p.m. TESTOSTERONE SECRETION BY THE TESTIS
L. Ewing, Ph.D.

3:00 p.m. - 4:00 p.m. THE SPERM ACROSOME
K.L. Polakoski, Ph.D.
THE REVIEW PROCESS OF GRANT APPLICATIONS
D. Dhindsa, Ph.D. and M.R.N. Prasad, M.D.

*As an organization accredited for continuing medical education, the Office of Continuing Education for the Medical School, University of Texas Health Science Center, certifies that this continuing medical education offering meets the criteria for 7 credit hours in Category 1 of the Physician's Recognition Award of the American Medical Association, provided it is used and completed as designed.

WORKSHOP ON MALE CONTRACEPTIVE DEVELOPMENT

WEDNESDAY, March 12, 1980
4:45 p.m. - 6:45 p.m.
(Wabash Room, 3rd Floor)

Organizer and moderator: T.J. Lobl, Ph.D. (Upjohn)

Panelists: G. Bialy, Ph.D. (NIH)
J. Gueriguian, M.D. (FDA)
C.A. Paulsen, M.D. (Univ. of Wash.)
C. Schafenberg, M.D. (FDA)
B.H. Vickery, Ph.D. (Syntex)
G.I. Zatuchni, M.D. (PARFR/AID)

This program will be a presentation/discussion session between an invited panel of experts and the audience. The key problems yet to be solved and scientific requirements for practical male contraception will be among the topics discussed. Some of the panelists will make presentations and then the floor will be opened for general discussion. The discussion should be of interest to anyone seriously interested in the development of male contraceptives.

Admission free for all meeting participants.
PROGRAM*

TUESDAY, March 11, 1980

8:00 a.m. - 12:00 p.m.  POSTGRADUATE COURSE:
                         Clinical Andrology Session
                         (Parlor A, 6th Floor)

12:00 p.m. - 1:00 p.m.  LUNCHEON BREAK

1:00 p.m. - 5:00 p.m.  POSTGRADUATE COURSE:
                         Basic Science Session
                         (Parlor A, 6th Floor)

2:00 p.m. - indefinite  OFFICERS' MEETING
                         (Parlor B, 6th Floor)

7:00 p.m. - 9:00 p.m.  COCKTAIL RECEPTION
                         (Theodora Room, Gaslight Club)

WEDNESDAY, March 12, 1980

8:30 a.m. - 8:45 a.m.  WELCOMING REMARKS
                         (Red Lacquer Room, 4th Floor)

N. Alexander, Ph.D
President, A.S.A.

L.J.D. Zaneveld, D.V.M., Ph.D.
Co-chairman, 5th Annual A.S.A. Meeting

*The page number in brackets after each abstract indicates the page in the second issue of The Journal of Andrology where the full abstract can be found.
ABSTRACT SESSION: IMMUNOANDROLOGY
(Red Lacquer Room, 4th Floor)

Chairman: G.F.B. Schumacher, M.D.

8:45 a.m. 1. ANTITUMOR REACTIVITY IN VASECTOMIZED MEN.
D.J. Anderson, A.A. Vandenbark, and N.J. Alexander. Oregon Regional Primate Research Center, Beaverton, Oregon, and the Veterans Administration Hospital, Portland, Oregon. (p. 59)

9:00 a.m. 2. IMMUNOSUPPRESSION OF TUMOR-ASSOCIATED IMMUNITY IN PROSTATIC CANCER BY HUMAN SEMINAL PLASMA.
R.J. Ablin, R.A. Bhatti, and I.M. Bush. Cook County Hospital and the Hektoen Institute for Medical Research, Chicago, Illinois

9:15 a.m. 3. RADIOIODINATION OF CELL SURFACE PROTEINS OF HUMAN AND BOVINE SPERM.
S.A. Goodman and L.G. Young. Departments of Physiology, Emory University School of Medicine, Atlanta, Georgia. (p. 59)

9:30 a.m. 4. EFFECT OF IMMUNIZATION WITH LDH-C4 (LDH-X) ON ENZYME ACTIVITY, TESTICULAR HISTOLOGY AND FERTILITY IN MICE.
E. Goldberg. Department of Biological Sciences, Northwestern University, Evanston, Illinois. (p. 60)

9:45 a.m. 5. ISOLATION AND STRUCTURAL CHARACTERIZATION OF AN ANTIGENIC DETERMINANT OF THE SPERM-SPECIFIC LACTATE DEHYDROGENASE C4 ISOZYME.
T.E. Wheat and E. Goldberg. Department of Biological Sciences,
10:00 a.m. - 10:15 a.m.  COFFEE BREAK

ABSTRACT SESSION: ENDOCRINE PHYSIOLOGY AND BIOCHEMISTRY-I

(Red Lacquer Room, 4th Floor)

Chairman: R. Sherins, M.D.

10:15 a.m.  6. EFFECTS OF CHRONIC HYPERPROLACTINEMIA IN MICE ON PLASMA GONADOTROPIN CONCENTRATIONS, TESTICULAR hCG BINDING SITES, AND IN VITRO TESTOSTERONE PRODUCTION.
A. Bartke and H. Klemcke. Dept. of Obstetrics and Gynecology, University of Texas Health Science Center, San Antonio, Texas. (p. 61)

10:30 a.m.  7. THE EFFECTS OF 17β-METHOXY-2α-METHYL-5α-ANDROSTAN-3-ONE ON SPERMATOGENESIS, HORMONES AND FERTILITY IN THE MALE RAT.

10:45 a.m.  8. DIRECT EFFECTS OF LHRH AGONISTS ON THE RAT TESTIS.
C. Séquin, L. Cusan, A. Bélanger, J.J. Reeves, P.A. Kelly, and F. Labrie. MRC Group in Molecular Endocrinology, LeCentre Hospitalier de l’Université Laval, Quebec, G1V 4G2 Canada. (p. 61)

11:00 a.m.  9. RESPONSES OF THE MALES OF DIFFERENT LABORATORY SPECIES TO CONTINUOUS ADMINISTRATION OF AN LHRH AGONIST.
11:15 a.m. 10. INCREASED TESTICULAR ANDROSTANE-3α, 17β-DIOL FORMATION INDUCED BY TREATMENT WITH [D-SER(TBU)₆, DES-GLY-NH₂¹⁰] LHRH ETHYLAMIDE IN THE RAT. A. Bélanger, L. Cusan, C. Séquin, R. Carmichael, S. Caron, and F. Labrie. Department of Molecular Endocrinology, Le Centre Hospitalier de l'Université Laval, Quebec G1V 4G2 Canada. (p. 62)

11:30 a.m. - 12:30 p.m. STATE-OF-ART LECTURE: "Male Contraceptive Development: Chemical Methods." C.A. Paulsen, M.D., Serono Award Speaker (Red Lacquer Room, 4th Floor)

12:30 - 2:00 p.m. LUNCHEON BREAK

ABSTRACT SESSION: MORPHOLOGY OF THE TESTIS IN HEALTH AND DISEASE (Red Lacquer Room, 4th Floor)

Chairman: M. Dym, Ph.D.

2:00 p.m. 11. GERM CELL DEGENERATION IN THE NEONATAL RABBIT TESTIS. B. Gondos and A.G. Byskov. Department of Pathology, University of Connecticut Health Center, Farmington, Connecticut, and Finsen Laboratory, Finsen Institute, Copenhagen, Denmark. (p. 63)

2:15 p.m. 12. THE TESTIS IN STREPTOZOTOCIN-INDUCED DIABETIC RATS. W.W. Chukwu and P.J. Gardner. Department of Anatomy, University of Nebraska Medical Center, Omaha, Nebraska. (p. 63)
13. PREVENTION OF TESTICULAR DAMAGE CAUSED BY SEROTONIN. S. Segal, N. Livni, and A. Laufer. Department of Obstetrics/Gynecology and Pathology, Hadassah-Hebrew University Medical Center, Jerusalem, Israel, and Department of Obstetrics/Gynecology, Sinai Hospital of Detroit, Detroit, Michigan. (p. 63)

14. SERTOLI JUNCTIONS IN HUMAN PARTIAL GERMINAL APLASIA: A FREEZE-FRACTURE AND LANTHANUM TRACER STUDY. M. Camatini, E. Franchi, and I. deCurtis. Laboratory of Comparative Anatomy, University of Milano, Italy. (p. 64)

15. ULTRASTRUCTURE OF THE TESTIS IN CRYPTORCHID MEN AT VARIOUS AGES. B. Baccetti, E. Bigliardi, M. Vegni Talluri, P. Soldani, T. Renieri, and M.G. Selmi. Institute of Zoology, University of Siena, Italy. (p. 64)

16. GERM CELL COUNTS IN THE DESCENDED TESTIS OF UNILATERALLY CRYPTORCHID RATS. R.T. Strawser and P.J. Gardner. Department of Anatomy, University of Nebraska Medical Center, Omaha, Nebraska. (p. 64)

17. EVIDENCE FOR A CONTRALATERAL TESTICULAR EFFECT IN A UNILATERALLY CRYPTORCHID ANIMAL. R. L. Urry. Department of Zoology, Brigham Young University, Provo, Utah. (p. 64)

18. EFFECTS OF UNILATERAL TORSION OF THE SPERMATIC CORD ON THE CONTRALATERAL TESTIS - A LIGHT AND ELECTRON MICROSCOPIC STUDY.
4:00 p.m. 19. THE FINE STRUCTURE OF LEYDIG CELLS IN AZOOSPERMIC MEN WITH ALTERED SERUM TESTOSTERONE AND GONADOTROPIN LEVELS.
M. Camatini and E. Franchi. Laboratory of Comparative Anatomy, University of Milano, Italy. (p. 65)

4:15 p.m. 20. QUALITATIVE EVALUATION OF TESTICULAR BIOPSY: PROPOSITION OF A SCORE COUNT.
M.A. Cognat, F. Lecornu, P. LeBourbouac’h, J. Milan, J. Valette, and J.A. Grimaud. Department of Gynecology-Andrology, Saint Joseph’s Hospital, Lyon, France. (p. 65)

4:45 p.m. - 6:45 p.m. WORKSHOP ON MALE CONTRACEPTIVE DEVELOPMENT (Wabash Room, 3rd Floor)

THURSDAY, March 13, 1980
ABSTRACT SESSION: CLINICAL ANDROLOGY-ENDOCRINOLOGY
(Red Lacquer Room, 4th Floor)

Chairman: C. Lee, M.D.

8:30 a.m. 21. GONADOTROPIN DYNAMICS IN YOUNG BOYS WITH SELECTED TESTICULAR DISORDERS.
S. Kogan, J. Eng, S. Levitt, M. Hanna, and N. Fleischer. Division of Pediatric Urology and Division of Endocrinology, Albert Einstein College of Medicine, Bronx, New York. (p. 66)
22. **COMBINED GnRH+TRH TEST IN MALE DIABETIC.**
G.P. Ceda, G. Speroni, E. Tarditi, and G. Valenti. Institute of Medical Clinic, University of Parma, Italy. (p. 66)

23. **TESTICULAR HORMONE CONCENTRATIONS IN MEN WITH VARI-COECELES: EFFECTS OF VARIOCOECELECTOMY.**
J.S. Schinfeld, I. Schiff, R. Newton and M. Dym. Fertility and Endocrine Unit, Boston Hospital for Women, and Department of Anatomy, Harvard Medical School, Boston, Massachusetts. (p. 66)

24. **SPINAL CORD INJURIES AND BLOOD LEVELS OF ANDROGENS: A DIRECT RELATIONSHIP BETWEEN TIME OF TRAUMA AND HORMONE PRODUCTION.**
V. Cortés-Gallegos, H. Arelláno, G. Castañeda, and R. Alonso. División de Biología de la Reproducción and Hospital de Convalecencia, CMN. IMSS. Mexico 73-032, Mexico City. (p. 67)

25. **ANDROGEN METABOLISM IN IMPOTENCE, DECREASED LIBIDO, OR HYPERSEXUALITY.**
G. Magrini, V. Büber, and J.P. Felber. Division de Biochimie Clinique, C.H.U.V., Lausanne, Switzerland, and Berlin, Germany. (p. 67)

26. **EFFECT OF $\Delta^1$-TESTOLACTONE (TESLAC) IN OLIGOSPERMIC MEN.**
R.A. Vigersky and A.R. Glass. Kyle Metabolic Unit, Walter Reed Army Medical Center, Washington, D.C. (p. 67)
ABSTRACT SESSION: REPRODUCTIVE TRACT PHYSIOLOGY
(RED LACQUER ROOM, 4TH FLOOR)

Chairman: M-C Orgebin-Crist, Ph.D.

10:15 a.m.  27. IN VITRO EFFECTS OF PROSTAGLANDINS ON SMOOTH MUSCLE CONTRACTIONS IN THE RAT SEMINAL VESICLE. R.E. Powers, H.T. Jonsson, Jr., and C.M. Fredericks. Departments of Biochemistry and Physiology, Medical University of South Carolina, Charleston, South Carolina. (p. 68)

10:30 a.m.  28. STUDIES ON RAT VAS DEFERENS: COMPARISON OF PROTEIN AND GLYCOPROTEIN SYNTHESIS AND LUMINAL PROTEINS BETWEEN PROXIMAL AND DISTAL REGIONS. J.C. Wenstrom and D.W. Hamilton. Department of Anatomy, University of Minnesota, Minneapolis, Minnesota. (p. 68)

10:45 a.m.  29. FACTORS AFFECTING RETE FLUID FLOW AND SPERM CONCENTRATION IN RATS. M.J. Free, R.A. Jaffe, and D.E. Morford. Biology Department, Battelle Northwest Laboratories, Richland, Washington. (p. 68)

11:00 a.m.  30. EFFERENT DUCT FLUID VISCOSITY AS AN INDICATOR OF THE MECHANISM OF PROPULSION. H. Winet. Physiology Department, Southern Illinois University, Carbondale, Illinois. (p. 69)

11:15 a.m.  31. INHIBITION OF SHORT-DAY INDUCED TESTICULAR REGRESSION IN THE HAMSTER BY DAILY MELATONIN INJECTIONS. F.W. Turek and P. Pappas. Department of
Biological Sciences, Northwestern University, Evanston, Illinois. (p. 69)

11:30 a.m. - 12:30 p.m.  **STATE OF ART LECTURE:** “Antifertility Effect of LHRH Agonists in the Male.”
F. Labrie, M.D., Ph.D. (Red Lacquer Room, 4th Floor)

12:30 p.m. - 2:00 p.m.  **LUNCHEON BREAK**

**ABSTRACT SESSION: BIOCHEMISTRY OF SEMEN**
(Red Lacquer Room, 4th Floor)

*Chairman: K.L. Polakoski, Ph.D.*

2:00 p.m.  32.  **PURIFICATION AND PHYSIOLOGICAL PROPERTIES OF AN ANTI-FERTILITY FACTOR FROM HUMAN SEMINAL PLASMA.**
J.M. Reddy, T.K. Audhya, and L.J.D. Zaneveld. Department of Physiology and Biophysics, University of Illinois at the Medical Center, Chicago, Illinois. (p. 70)

2:15 p.m.  33.  **ALBUMIN PROTECTION OF HUMAN SPERMATOZOA AGAINST THE DETRIMENTAL EFFECTS OF COPPER.**
M.K. Holland1 and I.G. White. Department of Veterinary Physiology, University of Sydney, N.S.W. Australia1. Present Address: Department of Obstetrics and Gynecology, University of Pennsylvania, Philadelphia, Pennsylvania. (p. 70)

2:30 p.m.  34.  **DETERMINATION OF PROTEIN KINASE ACTIVITY IN INTACT MAMMALIAN SPERM.**
LOCATION OF REGISTRATION AND MEETING ROOMS

Rm. PDR 18 — Registration and exhibition room on club floor; go to the 4th floor and follow signs.

P.A. Rm. — Parlor A, 6th floor
P.B. Rm. — Parlor B, 6th floor
R.L. Rm. — Red Lacquer Room, 4th floor
S.B. Rm. — State Ball Room, 4th floor
W. Rm. — Wabash Room, 3rd floor

Gaslight Club — Take elevator at the west end of the hotel to the club floor. Follow signs.
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<tr>
<th>Monday, March 10</th>
<th>Tuesday, March 11</th>
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| **Registration** | 8:00 a.m. - 4:00 p.m.  
Rm. PDR 18 | **Registration** | 8:00 a.m. - 12:00 p.m.  
Rm. PDR 18 |
| **Postgraduate Course** | 8:00 a.m. - 12:00 p.m.;  
P.A. Rm. | **Welcoming Luncheon** | 8:30 a.m. - 8:45 a.m.  
R.L. Rm. |
| **Luncheon Break** | 12:00 p.m. - 1:00 p.m. | **Immunology and Endocrinology & Biochemistry** | 10:15 a.m. - 11:30 a.m.  
R.L. Rm. |
| **Postgraduate Course** | 1:00 p.m. - 5:00 p.m.;  
P.A. Rm. | **Keynote Speech** | 11:30 a.m. - 12:00 p.m.  
R.L. Rm. |
| **Officer's meeting** | 2:00 p.m.;  
P.B. Rm. | **Luncheon** | 12:00 p.m. - 1:00 p.m.  
R.L. Rm. |
| **Cocktail Reception** | 7:00 p.m. - 9:00 p.m.  
Gaslight Club  
Theodoro Rm. | **Workshop on Menstrual Conceptive Development** | 4:45 p.m. - 6:45 p.m.  
R.L. Rm. |

*Scientific Sessions (15 min. each)*
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<th>ch 12</th>
<th>Thursday, March 13</th>
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<td>Clinical Andrology:</td>
<td>Session I: Clinical Andrology: Surger, Diagnosis &amp; Treatment*;</td>
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<td>Endocrinology*;</td>
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<td>Reproductive Tract Physiology*</td>
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2:45 p.m.  35.  **ISOLATION OF MEMBRANES FROM HUMAN SPERMATOZOA: A NEW, UNDAMAGING METHOD.**  L. Silvestroni, C. Sartori, A. Modesti, and G. Frajese. Instituto di Clinica Medica V°, University of Rome, Italy. (p. 71)

3:00 p.m.  36.  **ISOLATION OF SPERM PLASMA MEMBRANE: Na+, K+-ATPase INHIBITION BY SEMINAL PLASMA.**  D.W. Bishop, J. Chakraborty, and K.J. Whaley. Department of Physiology; Medical College of Ohio, Toledo, Ohio. (p. 71)

3:15 p.m.  37.  **REGIONAL LOCALIZATION AND IMMUNOELECTROPHORETIC CHARACTERIZATION OF MEMBRANES ISOLATED FROM BOAR SPERMATOZOA.**  G. Spaulding, R.N. Peterson, L. Russell, J. Katricka, and M. Freund. Department of Physiology, and School of Medicine, Southern Illinois University, Carbondale, Illinois. (p. 71)

3:30 p.m.  38.  **CHARACTERIZATION OF ACROSIN-BINDING TO AN ARTIFICIAL MEMBRANE SYSTEM.**  J.W. Straus and K.L. Polakoski. Department of Obstetrics and Gynecology, Washington University, St. Louis, Missouri. (p. 72)

3:45 p.m.  39.  **pH DEPENDENT EFFECTS OF ZINC ON BOAR SPERM ACROSIN.**  R.F. Parrish and K.L Polakoski. Departments of Urology and Obstetrics/Gynecology, Washington University School of Medicine, St. Louis, Missouri. (p. 72)

4:00 p.m.  40.  **RELATIONSHIP OF THE HUMAN ACROSIN SYSTEM TO FERTILITY AND INFERTILITY.**  J.C. Goodpasture, P.M. Zavos,
4:15 p.m.  41. STUDIES ON THE DEVELOPMENT OF HUMAN SPERM ACROSIN INHIBITORS AS ANTIFERTILITY AGENTS.
A.K. Bhattacharyya, S.R. Sarkar, and J. Basu. Department of Biochemistry, University of Calcutta, Calcutta, India. (p. 73)

4:45 p.m. - 5:45 p.m. BUSINESS MEETING
(Wabash Room, 3rd Floor)

7:30 p.m. - 10:00 p.m. BANQUET
(Speakeasy, Gaslight Club)
N.J. Alexander, Ph.D.; President, ASA
"Andrology In The Year 2000"

FRIDAY, March 14, 1980
(Simultaneous Abstract Sessions)

ABSTRACT SESSION 1: CLINICAL ANDROLOGY, SURGERY, DIAGNOSIS AND TREATMENT
(Red Lacquer Room, 4th Floor)

Chairman: R.D. Amelar, M.D.

8:30 a.m.  42. PREGNANCY AFTER TESTICLE TRANSPLANT: THE IMPORTANCE OF TREATING THE COUPLE.
S.J. Silber, and L.J. Rodriguez-Rigau. St. Lukes West Hospital, St. Louis, Missouri; Department of Reproductive
8:45 a.m. 43. **VASOEPIDIDYMOSTOMY TO HEAD OF EPIDIDYMIS: RECOVERY OF NORMAL MOTILITY.**
S.J. Silber. St. Lukes West Hospital, St. Louis, Missouri. (p. 74)

9:00 a.m. 44. **TREATMENT OF “IDIOPATHIC OLIGOASTHENOSPERMIA” WITH TAMOXIFEN: PRELIMINARY REPORT.**
V. Ruiz-Velasco, E, Domville, and J. Rosas Arceo. Centro para el Estudio de la Fertilidad, Mexico City, Mexico. (p. 74)

9:15 a.m. 45. **CLOMIPHENE AND SPERMATOGENESIS.**
R.D. Eward. Gynecology and Infertility, Grand Rapids, Michigan. (p. 74)

9:30 a.m. 46. **A PRELIMINARY STUDY ON THE RELATIONSHIPS AMONG BLOOD PRESSURE, AGE, HEIGHT, WEIGHTS AND VASECTOMY IN MEN.**

**ABSTRACT SESSION 2: SPERM MIGRATION, CAPACITATION AND FERTILIZATION**
(State Ball Room, 4th Floor)

*Chairman: B.J. Rogers, Ph.D.*

8:30 a.m. 47. **RELATIONSHIP OF BULL FERTILITY TO SPERM MIGRATION AND MOTILITY.**
H.L. Kummerfeld, S.P. Lorton, and R.H. Foote. Animal Science Department,
8:45 a.m.  
48. A DIRECT EFFECT OF α-CHLOROHYDRIN ON ISOLATED RAT EPIDIDYMAL SPERMATOZOA.  
G.F. Paz and Z.T. Homonnai. Soferman Institute for the Study of Fertility. Hakirya Maternity Hospital, Tel Aviv, Israel. (p. 81)

9:00 a.m.  
49. ALTERATIONS OF BOVINE ACROSOMAL PROTEINS BY FEMALE REPRODUCTIVE TRACT FLUIDS, IN VITRO.  

9:15 a.m.  
50. PREVENTION OF IN VITRO FERTILIZING CAPACITY OF MOUSE SPERMATOZA BY ETHANOL.  
R.A. Anderson, J.M. Reddy, and L.J.D. Zaneveld. Department of Physiology and Biophysics, University of Illinois Medical Center, Chicago, Illinois. (p. 81)

9:30 a.m.  
51. SITES OF CALCIUM ACTION IN MOUSE SPERM MOTILITY MAINTENANCE AND ZONA BINDING.  
L.J. Heffner, P.M. Saling, S.M. Cross, and B.T. Storey. Departments of Obstetrics and Gynecology and Physiology, University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania. (p. 82)

9:45 a.m.  
52. PROPERTIES OF BOAR SPERM PLASMA MEMBRANE RECEPTORS FOR THE ZONA PELLUCIDA.  
R.N. Peterson, L. Russell, and M. Freund. School of Medicine and Department of Physiology, Southern Illinois University, Carbondale, Illinois. (p. 82)

10:00 a.m. to 10:15 a.m. COFFEE BREAK
ABSTRACT SESSION 1: CLINICAL ANDROLOGY-SEMEN. I.  
(Red Lacquer Room, 4th Floor)

Chairman: R. Atherton, Ph.D.

10:15 a.m.  53. LDH-X IN HUMAN SEMINAL PLASMA AS AN INDICATOR OF THE FUNCTIONAL INTEGRITY OF SPERMATOZOA. 
R. Eliasson, L. Eliasson, and N. Virji. Reproductive Physiology Unit, Department of Physiology, Faculty of Medicine, Karolinska Institute, Stockholm, Sweden. (p. 76)

10:30 a.m.  54. THE IDENTIFICATION OF INFERTILE PATIENTS WITH LOW SEMEN ZINC AND POOR SPERM MOTILITY. 
J.L. Marmar, S. Katz, D.E. Praiss, and T.J. DeBenedictis. Division of Urology, Cooper Medical Center, Camden, New Jersey; South Jersey Urologic Associates, Cherry Hill, New Jersey, Department of Chemistry, Rutgers University, Camden, New Jersey. (p. 76)

10:45 a.m.  55. INFLUENCE OF SEMINAL PLASMA QUALITY ON MOTILITY, VELOCITY AND RESPIRATORY ACTIVITY OF HUMAN SPERMATOZOA. 
J.F. Guerin and J.C. Czyba. Biologie de la Reproduc, Hôpital Herriot, Lyon, France. (p. 76)

11:00 a.m.  56. IMPROVING SPERM MOTILITY IN FROZEN HUMAN SEMEN. 

11:15 a.m.  57. THE EFFECT OF FREEZING ON FERTILIZING CAPACITY OF HUMAN SPERM ASSAYED USING ZONA-FREE HAMSTER EGGS. 
J.S. Fujita, H. Van Campen, and
ABSTRACT SESSION 2: BIOCHEMISTRY OF TESTICULAR AND EPIDIDYMAL FLUIDS
(State Ball Room, 4th Floor)

Chairman: E. Goldberg, Ph.D.

10:15 a.m. 58. GALACTOSYLTRANSFERASE ACTIVITY IN RAT RETE TESTIS FLUID.
D.W. Hamilton. Department of Anatomy, University of Minnesota, Minneapolis, Minnesota. (p. 83)

T.T. Turner, D.D. Weed, and S.S. Howards. Department of Urology, University of Virginia School of Medicine, Charlottesville, Virginia. (p. 83)

10:45 a.m. 60. CONCENTRATION OF SOME ORGANIC COMPOUNDS IN THE LUMINAL FLUID OF THE TESTIS AND EPIDIDYMIS OF THE RAT AND SOME OTHER MAMMALS.
B.T. Hinton and B.P. Setchell. Department of Urology, University of Virginia School of Medicine, Charlottesville, Virginia, and A.R.C. Institute of Animal Physiology, Babraham, Cambridge, England. (p. 83)

11:00 a.m. 61. PROLONGATION OF SPERMATOZOAL MOTILITY BY A FACTOR ISOLATED FROM HUMAN EPIDIDYMIDES.
A.R. Sheth, G.V. Shah, and A.N. Gunjikar. Institute for Research
11:15 a.m.  62. **STEROID AND PROTEIN COMPONENTS WITHIN THE STALLION EPIDIDYMIS.**
V.K. Ganjam, H.A. Whelan, and B.G. Brackett, Department of Physiology, School of Veterinary Medicine, Auburn University, Auburn, Alabama, and Department of Clinical Studies at New Bolton Center, University of Pennsylvania School of Veterinary Medicine, Kennett Square, Pennsylvania. (p. 84)

11:30 a.m. - 12:30 p.m. **STATE-OF-ART LECTURE: 'Surgical Approaches to Vas Occlusion: Vas Interruption and Reversible Devices.'**
J.E. Davis, M.D. (Red Lacquer Room, 4th Floor)

12:30 p.m. to 2:00 p.m. **LUNCHEON BREAK**

**ABSTRACT SESSION 1: CLINICAL ANDROLOGY-SEmen. II.**
(Red Lacquer Room, 4th Floor)

2:00 p.m.  63. **SPERM ANALYSIS OF CANCER PATIENTS TREATED WITH CHEMOTHERAPY AND RADIOTHERAPY.**
M.F. da Cunha, M.L. Meistrich, J.F. Gamble, and H.L. Ried. Departments of Experimental Radiotherapy, Medicine, and Pediatrics, M.D. Anderson Hospital and Tumor Institute, Houston, Texas. (p. 78)

2:15 p.m.  64. **THE SPLIT HEAD AND TAIL SPERM-ATOZOAN.**
A. Velazques, M. Diaz, F. Rivas, and J.M. Cantu. División de Genética y Hematología, Subjefatura de Investigación Científica, Unidad de Investigación Biomédica, Centro Médico de Occidente, Instituto Mexicano del Seguro Social, Guadalajara, Mexico. (p. 78)
2:30 p.m. 65. HUMAN DYNEIN AND SPERM PATHOLOGY.
B. Baccetti, A.G. Burrini, V. Pallini, and T. Renieri. Institute of Zoology, University of Siena, Italy. (p. 78)

2:45 p.m. 66. INHERITED ABNORMALLY LONG TAILED HUMAN SPERMATOZOA.
J.M. Cantu, A. Velázquez, F. Rivas, M. Díaz, and J. Sanches-Corona. División de Genética y Hematología, Subjefatura de Investigación Científica, Unidad de Investigación Biomédica, Centro Médico de Occidente, Instituto Mexicano del Seguro Social Guadalajara, Mexico. (p. 79)

3:00 p.m. 67. EARLY CHANGES FOLLOWING SURGICALLY INDUCED VARICOCELE IN MONKEYS.
R.M. Harrison, R.W. Lewis, and J.A. Dollar. Department of Urology, Delta Regional Primate Center, Covington, Louisiana. (p. 79)

3:15 p.m. 68. PRE- AND POST-OPERATIVE FERTILIZATION RATES OF VARICOCELE PATIENTS.
B.J. Rogers, H. Van Campen, G. Helmbrecht, and D. Soderdahl. University of Hawaii School of Medicine, Honolulu, Hawaii. (p. 79)

3:30 p.m. 69. VARICOCELE AND THE MORPHOLOGY OF SPERMATOZOA.
L.J. Rodriguez-Rigau, K.D. Smith, and E. Steinberger. Department of Reproductive Medicine and Biology, University of Texas Medical School at Houston, Houston, Texas. (p. 79)

3:45 p.m. 70. THE EFFECT OF VARICOCELECTOMY ON SPERM COUNT, MOTILITY AND CONCEPTION RATE.
R. Newton, J. Schinfeld, and I. Schiff. Boston Hospital for Women and Department of Urology, Newton-Wellesley
4:00 p.m. 71. ISOLATION OF SPERM AGGLUTINATION AND IMMOBILIZATION ANTIGENS FROM HUMAN SPERMATOZOA. A.G. Tumboh-oeri and S.S. Koide. The Population Council, Rockefeller University, New York, New York, (p. 80)

ABSTRACT SESSION 2: ENDOCRINE PHYSIOLOGY AND BIOCHEMISTRY. II. (State Ball Room, 4th Floor)

Chairman: E. Rosembarg, M.D.

2:00 p.m. 72. ANDROGEN AND ESTROGEN RECEPTORS IN DOG EPIDIDYMIS. M.A. Younes and C.G. Pierrepoint. Department of Obstetrics and Gynecology, Baylor College of Medicine, Houston, Texas, and Tenovus Institute for Cancer Research, Welsh National School of Medicine, Cardiff, Wales. (p. 85)

2:15 p.m. 73. EFFECT OF FSH AND TESTOSTERONE ON THE CONCENTRATION OF ESTROGEN IN THE TESTES OF INFANTILE RATS. D.K. Pomerantz. Department of Physiology, University of Western Ontario, London, Canada. (p. 85)

2:30 p.m. 74. DIFFERING RATES OF REGRESSION IN THREE LOBES OF RAT PROSTATE FOLLOWING ORCHIECTOMY. C. Lee, R.M. Anderson, A. Zuk, and J.M. Holland. Department of Urology, Northwestern University Medical School, Chicago, Illinois. (p. 85)

2:45 p.m. 75. TESTOSTERONE PRETREATMENT AND THE RESPONSE OF PITUITARY
LH TO EXOGENOUS LUTEINIZING HORMONE-RELEASING HORMONE. R.E. Falvo, M. Gerrity, J. Pirmann, and M. Winter. School of Medicine, Southern Illinois University, Carbondale, Illinois. (p. 86)

3:00 p.m. 76. TESTOSTERONE AND 170H PROGESTERONE RESPONSES IN MEN TO THREE-HOUR LH INFUSIONS. H.R. Nankin, T. Lin, E. Murono, J. Osterman, and P. Troen. Medical Service, Wm. Jennings Bryan Dorn Veterans’ Hospital; Department of Medicine, University of South Carolina School of Medicine, Columbia, South Carolina and Department of Medicine, Montefiore Hospital, University of Pittsburg School of Medicine, Pittsburg Pennsylvania. (p. 86)

3:15 p.m. 77. REGULATION OF CYCLIC GUANOSINE 3’,5’-MONOPHOSPHATE IN RAT INTERSTITICAL CELLS. T. Lin, E. Murono, J. Osterman, and H.R. Nankin. Medical Service, Wm. Jennings Bryan Dorn Veterans’ Hospital, and Department of Medicine, University of South Carolina School of Medicine, Columbia, South Carolina. (p. 86)

3:30 p.m. 78. THE EFFECTS OF MEDROXYPROGESTERONE ACETATE ON ANDROGEN BINDING PROTEIN IN THE RAT. T.J. Lobl, G.L. Gunsalus, N.A. Musto, and C.W. Bardin. Fertility Research, the Upjohn Company, Kalamazoo, Michigan; Population Council, Rockefeller University, New York, New York. (p. 87)

3:45 p.m. 79. MODULATION OF FSH BINDING TO RAT TESTICULAR RECEPTORS BY INHIBIN.
4:00 p.m.  80. EFFECT OF ABOVE-SCROTAL TEMPERATURES ON INHIBIN SECRETION BY RAT SERTOLI CELLS.  
A. Steinberger. Department of Reproductive Medicine and Biology, University of Texas Medical School at Houston, Houston, Texas. (p. 87)

4:15 p.m.  81. EFFECT OF OPTIC ENUCLEATION OF SYRIAN HAMSTERS ON SERTOLI CELL FUNCTION IN VITRO.  
J.J. Heindel, R. Philo, and J.P. Preslock. Departments of Reproductive Medicine and Biology and Pharmacology, The University of Texas Medical School at Houston, Houston, Texas. (p. 87)
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American Society of Andrology
Program
Annual Meeting
1980
Chicago, IL

Cont. March 13, 1980

11:30 a.m. - 12:30 p.m.  Keynote Speaker - F. Labrie: "Antifertility Effect of LHRH Agonists in the Male".
2:00 p.m. - 4:30 p.m.  Abstract Session - Biochemistry of Semen
4:45 p.m. - 5:45 p.m.  Business Meeting
7:30 p.m. - 10:00 p.m.  Banquet/Wine/Show - at the Gaslight Club, Palmer House Hotel

Friday, March 14, 1980 (Simultaneous Abstract Sessions)

8:30 a.m. - 9:45 a.m.  Abstract Session 1-Clinical Andrology: Surgery, Diagnosis & Treatment
8:30 a.m. - 10:00 a.m.  Abstract Session 2 - Sperm Migration, Capacitation & Fertilization
10:00 a.m. - 10:15 a.m.  Coffee
10:15 a.m. - 11:30 a.m.  Abstract Session 1 - Clinical Andrology: Semen I.
10:15 a.m. - 11:30 a.m.  Abstract Session 2 - Biochemistry of Testicular and Epididymal Fluids
11:30 a.m. - 12:30 p.m.  Keynote Speaker - J.E. Davis: "Surgical Approaches to Vas Occlusion: Vas Interruption and Reversible Devices".
2:00 p.m. - 4:15 p.m.  Abstract Session 1 - Clinical Andrology: Semen II.
2:00 p.m. - 4:30 p.m.  Abstract Session 2 - Endocrine Physiology and Biochemistry II.
ABSTRACT SESSIONS

Wednesday, March 12, 1980

TUMOANOANDROLOGY (8:45 - 10:00 a.m.)


IMMUNSUPPRESSION OF TUMOUR-ASSOCIATED IMMUNITY IN PROSTATIC CANCER BY HUMAN SEMINAL PLASMA. R.J. Ablin, K.A. Bhatti, and I.M. Bush.

RADIOIODINATION OF CELL SURFACE PROTEINS OF HUMAN AND BOVINE SPERM. S.A. Goodman and L.G. Young.

EFFECT OF IMMUNIZATION WITH LDH-C₄(LDH-X) ON ENZYME ACTIVITY, TESTICULAR HISTOLOGY AND FERTILITY IN MICE. E. Goldberg.

ISOLATION AND STRUCTURAL CHARACTERIZATION OF AN ANTIGENIC DETERMINANT OF THE SPERM-SPECIFIC LACTATE DEHYDROGENASE C₄ ISOZYME. T.E. Wheat and E. Goldberg.

ENDOCRINE PHYSIOLOGY AND BIOCHEMISTRY-I (10:15 - 11:30 a.m.)

EFFECTS OF CHRONIC HYPERPROLACTINEMIA IN MICE ON PLASMA GONADOTROPIN CONCENTRATIONS, TESTICULAR hCG BINDING SITES, AND IN VITRO TESTOSTERONE PRODUCTION. A. Bartke and H. Klemcke.

THE EFFECTS OF 17ß-METHOXY-2α-METHYL-5α-ANDROSTAN-3-ONE ON SPERMATOGENESIS, HORMONES AND FERTILITY IN THE MALE RAT. T.J. Lobl, R.D. Frielink, K.T. Kirton, and J.A. Campbell.


RESPONSES OF THE MALES OF DIFFERENT LABORATORY SPECIES TO CONTINUOUS ADMINISTRATION OF AN LHRH AGONIST. B.H. Vickery and G.I. McRae.

INCREASED TESTICULAR ANDROSTANE-3α,17ß-DIOL FORMATION INDUCED BY TREATMENT WITH [D-SEK(TBU)₆, DES-GLY-NH₂₁⁰] LHRH ETHYLAMIDE IN THE RAT. A. Bélanger, L. Cusan, C. Séquin, R. Carmichael, S. Caron, and F. Labrie.

MORPHOLOGY OF THE TESTIS IN HEALTH AND DISEASE (2:00 - 4:30 p.m.)

GERM CELL DEGENERATION IN THE NEONATAL RABBIT TESTIS. B. Gondos and A.G. Byskov.


PREVENTION OF TESTICULAR DAMAGE CAUSED BY SEROTONIN. S. Segal, N. Livni, and A. Laufer.


ULTRASTRUCTURE OF THE TESTIS IN CRYPTORCHID MEN AT VARIOUS AGES. B. Baccetti, E. Bigliardi, M. Vegni Talluri, P. Soldani, T. Renieri, and M.G. Selmi.


EVIDENCE FOR A CONTRALATERAL TESTICULAR EFFECT IN A UNILATERALLY CRYPTORCHID ANIMAL. R.L. Urry.


THE FINE STRUCTURE OF LEYDIG CELLS IN AZOOSPERMIC MEN WITH ALTERED SERUM TESTOSTERONE AND GONADOTROPIN LEVELS. M. Camatini and E. Franchi.
QUALITATIVE EVALUATION OF TESTICULAR BIOPSY: PROPOSITION OF A SCORE COUNT.

Thursday, March 13, 1980

CLINICAL ANDROLOGY: ENDOCRINOLOGY (8:30 - 10:00 a.m.)

CONADOTROPIN DYNAMICS IN YOUNG BOYS WITH SELECTED TESTICULAR DISORDERS. S. Kogan, J. Eng, S. Levitt, and N. Fleischer.


TESTICULAR HORMONE CONCENTRATIONS IN MEN WITH VARICOCELES: EFFECTS OF VARICOCELECTOMY. J.S. Schinfeld, I. Schiff, R. Newton, and M. Dym.


ANDROGEN METABOLISM IN IMPOTENCE, DECREASED LIBIDO, OR HYPERSEXUALITY. G. Magrini, V. Büher, and J.P. Felber.

EFFECT OF Δ¹-TESTOLACTONE (TESLAC) IN OLIGOSPERMIC MEN. R.A. Vigersky and A.R. Glass.

REPRODUCTIVE TRACT PHYSIOLOGY (10:15 - 11:30 a.m.)

IN VITRO EFFECTS OF PROSTAGLANDINS ON SMOOTH MUSCLE CONTRACTIONS IN THE RAT SEMINAL VESICLE. R.E. Powers, H.T. Jonsson, Jr., and C.M. Fredericks.


EFFERENT DUCT FLUID VISCOSITY AS AN INDICATOR OF THE MECHANISM OF PROPULSION. H. Winet.

INHIBITION OF SHORT-DAY INDUCED TESTICULAR REGRESSION IN THE HAMSTER BY DAILY MELATONIN INJECTIONS. F.W. Turek and P. Pappas.

BIOCHEMISTRY OF SEMEN (2:00 - 4:30 p.m.)


CHARACTERIZATION OF ACROSIN BINDING TO AN ARTIFICIAL MEMBRANE SYSTEM. J.W. Straus and K.L. Polakoski.

pH DEPENDENT EFFECTS OF ZINC ON BOAR SPERM ACROSIN. R.F. Parrish and K.L. Polakoski.


Friday, March 14, 1980 (2 simultaneous sessions)

Session I

CLINICAL ANDROLOGY: SURGERY, DIAGNOSIS AND TREATMENT (8:30 - 9:45 a.m.)

PREGNANCY AFTER TESTICLE TRANSPLANT: THE IMPORTANCE OF TREATING THE COUPLE. S.J. Silber.

VASOEPIDIDYMOCTOMY TO HEAD OF EPIDIDYMIS: RECOVERY OF NORMAL MOTILITY. S.J. Silber.

TREATMENT OF "IDIOPATHIC OLIGOAsthENOSPERMIA" WITH TAMOXIFEN: PRELIMINARY REPORT. V. Ruíz-Velasco, E. Domville, and J. Rosas Arceo.

CLOMIPHENE AND SPERMATOGENESIS. R. Donald Eward.


CLINICAL ANDROLOGY: SEMEN-I (10:15 - 11:30 a.m.)

LDH-X IN HUMAN SEMINAL PLASMA AS AN INDICATOR OF THE FUNCTIONAL INTEGRITY OF SPERMATOZOA. R. Eliassen, L. Eliassen, and N. Virji.


INFLUENCE OF SEMINAL PLASMA QUALITY ON MOTILITY, VELOCITY AND RESPIRATORY ACTIVITY OF HUMAN SPERMATOZOA. J.F. Guerin and J.C. Czyba.

IMPROVING SPERM MOTILITY IN FROZEN HUMAN SEMEN. E. Domville, V. Ruíz-Velasco, J. Rosas, and A. Centro.


CLINICAL ANDROLOGY: SEMEN-II (2:00 - 4:15 p.m.)


THE SPLIT HEAD AND TAIL SPERMATOZOA. A. Veláquez, M. Díaz, F. Rivas, and J.M. Cantú.


INHERITED ABNORMALLY LONG TAILED HUMAN SPERMATOZOA. J.M. Cantú, A. Veláquez, F. Rivas, M. Díaz, and J. Sánchez-Corona.

EARLY CHANGES FOLLOWING SURGICALLY INDUCED VARICOCELE IN MONKEYS. R.M. Harrison, R.W. Lewis, and J.A. Dollar.


VARICOCELE AND THE MORPHOLOGY OF SPERMATOZOA. L.J. Rodríguez-Rigau, K.D. Smith, and E. Steinberger.

THE EFFECT OF VARICOCELECTOMY ON SPERM COUNT, MOTILITY AND CONCEPTION RATE. R. Newton, J. Schinfeld, and I. Schiff.

ISOLATION OF SPERM AGGLUTINATION AND IMMobilIZATION ANTIGENS FROM HUMAN SPERMATOZOA. A.G. Tumboh-oeri and S.S. Koide.
Session II

SPERM MIGRATION, CAPACITATION AND FERTILIZATION (8:30 - 10:00 a.m.)

RELATIONSHIP OF BULL FERTILITY TO SPERM MIGRATION AND MOTILITY. H.L. Kummerfeld, S.P. Lorton, and R.H. Foote.

A DIRECT EFFECT OF α-CHLOROHYDRIN ON ISOLATED RAT EPIDIDYMAL SPERMATOZOA. G.F. Paz and Z.T. Homonnai.

ALTERATIONS OF BOVINE ACROSOMAL PROTEINS BY FEMALE REPRODUCTIVE TRACT FLUIDS, IN VITRO. A.T. Fazleabas and C.N. Graves.


SITES OF CALCIUM ACTION IN MOUSE SPERM MOTILITY MAINTENANCE AND ZONA BINDING. L.J. Heffner, P.M. Saling, S.M. Cross, and B.T. Storey.

PROPERTIES OF BOAR SPERM PLASMA MEMBRANE RECEPTORS FOR THE ZONA PELLUCIDA. R.N. Peterson, L. Russell, and M. Freund.

BIOCHEMISTRY OF TESTICULAR AND EPIDIDYMAL FLUIDS (10:15 - 11:30 a.m.)

GALACTOSYLTRANSFERASE ACTIVITY IN RAT RETE TESTIS FLUID. D.W. Hamilton.


PROLONGATION OF SPERMATOZOAAL MOTILITY BY A FACTOR ISOLATED FROM HUMAN EPIDIDYMIDES. A.R. Sheth, G.V. Shah, and A.N. Gunjikar.


ENDOCRINE PHYSIOLOGY AND BIOCHEMISTRY-II (2:00 - 4:30 p.m.)

ANDROGEN AND ESTROGEN RECEPTORS IN DOG EPIDIDYMIS. M.A. Younes and C.G. Pierrepoint.

EFFECT OF FSH AND TESTOSTERONE ON THE CONCENTRATION OF ESTROGEN IN THE TESTES OF INFANTILE RATS. D.K. Pomerantz.


TESTOSTERONE AND 17OH PROGESTERONE RESPONSES IN MEN TO THREE-HOUR LH INFUSIONS. H.R. Nankin, T. Lin, E. Murono, J. Osterman, and P. Troen.

REGULATION OF CYCLIC GUANOSINE 3',5'-MONOPHOSPHATE IN RAT INTERSTITIAL CELLS. T. Lin, E. Murono, J. Osterman, and H.R. Nankin.


MODULATION OF FSH BINDING TO RAT TESTICULAR RECEPTORS BY INHIBIN. L.R. Joshi, S.B. Moodbidri, and A.R. Sheth.

EFFECT OF ABOVE-SCROTAL TEMPERATURES ON INHIBIN SECRETION BY RAT SERTOLI CELLS. A. Steinberger.

EFFECT OF OPTIC ENUCLEATION OF SYRIAN HAMSTERS ON SERTOLI CELL FUNCTION IN VITRO. J.J. Heindel, R. Philo, and J.P. Preslock.
To date: 3/06/80

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Members w/ guest = 8
Members attending banquet = 66
Members attending post/grad complete = 35
Members attending post/grad basic science = 24

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+4 exempt = 70

TOTAL AMOUNT ATTENDING 138
TOTAL AMOUNT MONIES $12,170.00
On the first day of the Fifth Annual Meeting of the American Society of Andrology, held in Chicago, IL, from March 11-14, 1980, a postgraduate course will be held on male fertility and infertility. Eight 1-hour seminars will be given, four on important topics in clinical andrology and four on the more basic aspects of andrology. This continuing medical education offering meets the criteria for 7 credit hours in Category I of the Physician's Recognition Award of the American Medical Association, provided it is used and completed as designed.

Program (March 11, 1980)

Clinical Andrology Session

8:00 - 9:00  TESTICULAR BIOPSY - INDICATIONS, TECHNIQUES AND INTERPRETATIONS.  
By: C. A. Paulsen.

9:00 - 10:00  ENDOCRINE TESTS IN EVALUATION OF TESTICULAR FUNCTION.  
By: C. A. Paulsen.

10:00 - 11:00  GONADOTROPINS IN TREATMENT OF TESTICULAR DYSFUNCTION.  
By: R. Sherins.

11:00 - 12:00  EVALUATION OF THE INFERTILE COUPLE.  By: E. Steinberger.

12:00 - 1:00  Lunch

Basic Science Session

1:00 - 2:00  MOLECULAR MECHANISMS INVOLVED IN HORMONAL CONTROL OF SPERMATOGENESIS.  By: C. Bardin.

2:00 - 3:00  TESTOSTERONE DEPLETION BY THE TESTIS.  By: L. Ewing.

3:00 - 4:00  THE SPERM ACROSOME.  By: K. L. Polakoski.

4:00 - 5:00  THE REVIEW PROCESS OF GRANT APPLICATIONS.  By: D. Dhindsa and M. R. N. Prasad.

Cost:  Postgraduate course (complete) - $100.  
Basic Science Session only - $25.

Please make check payable to the American Society of Andrology and send together with name and address to:

Lourens J.D. Zaneveld, D.V.M., Ph.D.  
Professor and Acting Head  
Department of Physiology & Biophysics  
University of Illinois at the Medical Center  
P. O. Box 6998  
Chicago, Illinois 60680 U.S.A.
TO: Andrzej Bartke, Ph.D., Editor  
FROM: Lynn Rudloff, Editorial Assistant  

DATE: June 10, 1980

Status of the 5th issue:

4 manuscripts ready for Lippincott
2 revised manuscripts expected

Tally of total manuscripts received:

22 received, accepted, and sent to Lippincott
10 rejected
12 in review
   8 with authors for revisions
6 in editorial office: 4 - Sept/Oct issue
   1 - Nov/Dec issue (review)
   1 - to be edited and returned to author for revisions

58 manuscripts received 6/10/80