FIFTH ANNUAL SCIENTIFIC MEETING
of the
UROLOGIC
ALLIED HEALTH PROFESSIONALS
of the
AMERICAN UROLOGICAL
ASSOCIATION, INC.

May 23-25, 1974
Chase-Park Plaza Hotel
St. Louis, Missouri
FIFTH ANNUAL SCIENTIFIC MEETING
OF THE
UROLOGIC ALLIED HEALTH PROFESSIONALS

PROGRAM COMMITTEE
Karolyn K. Bruner, R.N.
Derwood Lenz
Russell T. Church, R.N.
Mary Ann Clark, R.N., Chairman

May 23, 1974

Members, Friends and Guests:

Welcome. It is a small word, but when it is said sincerely it expresses
real warmth and cordiality. And that is the way your friends and colleagues
of the AUAA feel about your decision to attend the Fifth Annual Scientific
Meeting.

On behalf of the faculty, the American Urological Association, the con-
tributing industries and myself, I welcome you.

No matter what your job or what your position, your success or failure
has a direct bearing on AUAA—and on our success and security. You are
important to AUAA.

In our infancy we may have often strived hard to reach some goal, finish
some job. "When this is done", we would say, "we shall find satisfaction and
reward." But too often, after some accomplishment of which we are proud,
we let down...with the feeling that, because we have achieved, we
have arrived at our goal.

We have now come to realize that each achievement is only a point along
the road. The real richness of living comes with the journey itself, with
striving and the desire to keep moving.

Life is movement and change. Steel, tough and dense as it is, is com-
posed of molecules always in motion. The mind, even when we are asleep,
remains active. Yet men, more often than not, refuse to use their native
ability to move forward and up. It is your willingness to keep moving for-
ward that the AUAA is striving to nourish.

Welcome to the AUAA Scientific Session. You are going to like it here
and we are going to like having you here.

Most Sincerely,

Karolyn K. Bruner, R.N.
President, Allied Health
Professions Council
May 23, 1974

Members, Friends and Guests:

Welcome. It is a small word, but when it is said sincerely it expresses real warmth and cordiality. And that is the way your friends and colleagues of the AUAA feel about your decision to attend the Fifth Annual Scientific Meeting.

On behalf of the faculty, the American Urological Association, the contributing industries and myself, I welcome you.

No matter what your job or what your position, your success or failure has a direct bearing on AUAA—and on our success and security. You are important to AUAA.

In our infancy we may have often strived hard to reach some goal, finish some job. "When this is done", we would say, "we shall find satisfaction and reward." But too often, after some accomplishment of which we are proud, we let down... with the feeling that, because we have achieved, we have arrived at our goal.

We have now come to realize that each achievement is only a point along the road. The real fondness of living comes with the journey itself, with striving and the desire to keep moving.

Life is movement and change. Steel, tough and dense as it is, is composed of molecules always in motion. The mind, even when we are asleep, remains active. Yet men, more often than not, refuse to use their native ability to move forward and up. It is your willingness to keep moving forward that the AUAA is striving to nourish.

Welcome to the AUAA Scientific Session. You are going to like it here and we are going to like having you here.

Most Sincerely,

Karolyn K. Bruner, R.N.
President, Allied Health Professions Council
AMERICAN UROLOGICAL ASSOCIATION, INC.

OFFICERS

President
Dr. Wyland F. Leadbetter
Boston, Mass.

President Elect
Dr. Charles J. Robson
Toronto, Ont., Canada

Past President
Dr. W. E. Kittredge
New Orleans, La.

Secretary
Dr. William B. Garlick
Albany, N. Y.

Treasurer
Dr. Earl F. Nation
Pasadena, Calif.

Historian
Dr. Ralph R. Landes
Danville, Va.

Executive Director
Dr. Hal B. Jennings, Jr.
Baltimore, Md.

Executive Secretary
Mr. Richard J. Hannigan
Baltimore, Md.

Administrative Consultant
Mr. William P. Didusch
Baltimore, Md.

EXECUTIVE COMMITTEE

Section
Mid-Atlantic
Dr. Sam D. Graham
Staunton, Va.

New England
Dr. Walter S. Kerr, Jr.
Boston, Mass.

New York
Dr. Herbert Brendler
New York, N. Y.

North Central
Dr. Paul J. Schildt
Lakewood, Ohio

Northeastern
Dr. William J. Staubitz
Buffalo, N. Y.

South Central
Dr. William F. Melick
St. Louis, Mo.

Southeastern
Dr. Charlton P.
Greenville, S. C.

Western
Dr. James Tate Mason
Seattle, Wash.

ALLIED HEALTH PROFESSIONS COMMITTEE

Dr. Arthur T. Evans, Chairman
Cincinnati, Ohio

Dr. W. Lamar Weems, Vice-Chairman
Jackson, Miss.

Dr. David W. Goddard
Daytona Beach, Fla.

Dr. Arthur J. Johnson
Detroit, Mich.

Dr. A. Richard Kendall

Dr. C. A. Macfarlane
Portland, Ore.

Dr. Stephen A. Mahoney
Stoughton, Mass.

Dr. Winston K. Mebust
Kansas City, Kan.

Dr. Stuart E. Price, Jr.
Pittsburgh, Pa.

Dr. Gilbert J. Wise
Brooklyn, N. Y.

Dr. Wyland F. Leadbetter, ex officio
Boston, Mass.

Dr. William B. Garlick, ex officio
Albany, N. Y.

Miss Karolyn K. Bruner, consultant
Oklahoma City, Okla.

Miss Mary A. Clark, consultant
Cincinnati, Ohio

ALLIED HEALTH PROFESSIONS COUNCIL OFFICERS

Miss Karolyn K. Bruner, R.N., President
Mr. Derwood Lens, President-Elect
Mr. Russell T. Church, R.N., Past President
Miss Mary Ann Clark, R.N., Secretary

SECTION REPRESENTATIVES

Mid-Atlantic Section
Mrs. Patricia B. Kennedy, R.N.

New England
Mrs. Nancy Barrett, R.N.

New York
Mr. Frank Brown

North Central
Mr. Gerald T. Hagstrom

Northeastern
Mr. William Riding

South Central
Mr. Joseph Dickerson

Southeastern
Mr. W. Leon Marcy

Western
Mrs. Arlyn Hodgert, R.N.
REGISTRATION

The registration desk, located in the Chase Lounge on the lobby floor of the Chase-Park Plaza Hotel, will be open from 8 a.m. - 4 p.m. Thursday, May 23 and Friday, May 24 and from 8 a.m. - 10:30 a.m. on Saturday, May 25.

EXHIBITS

The scientific and technical exhibits of the American Urological Association's annual meeting will be open for viewing from 8 a.m. - 5 p.m. Thursday, May 23. Admission to the exhibit area will be by registration badge only. Exhibits will be located in the Exhibit Hall in the lower lobby.

The American Urological Association Film Library Exhibit, sponsored by Eaton Laboratories, will be available for viewing motion pictures from 8 a.m. - 5 p.m. Thursday, May 23.

FRIDAY LUNCHEON

The meeting rooms for Friday luncheons are listed in the program (Page 7) by AUA Sections. Please have lunch in your geographic Section Room. This will afford an opportunity to meet fellow professionals from your area. Also, it will provide time for a Section business meeting and discussion of the development of local Allied chapters.

UROLOGIC WORKSHOP

The Urologic Workshop, arranged by Mr. Derwood Lenz, chairman, and Miss Nancy Barrett, co-chairman, will contain helpful work suggestions for the members and guests attending the Fifth Annual Meeting. This workshop will be located in the Lido Room on the Chase Lobby floor and will be open day and evening, May 23 and 24 and in the morning (until 12 noon) on Saturday, May 25.

The Fifth Annual Scientific Meeting of the Urologic Allied Health Professionals is being sponsored by the American Urological Association, Inc., with the assistance of:

ABBOTT LABORATORIES, Chicago, Ill.

EATON LABORATORIES, Norwich, N. Y.

KENDALL COMPANY, Chicago, Ill.
SCIENTIFIC PROGRAM

THURSDAY, MAY 23, 1974

8 a.m. - 4 p.m. REGISTRATION, Chase Lounge, Lobby—Chase

8 a.m. - 5 p.m. EXHIBIT VIEWING, Scientific and Technical Exhibits — Exhibit Hall, Lower Lobby

6:30 p.m. - 8 p.m. WELCOMING RECEPTION, sponsored by the Kendall Company of Chicago, Ill., Chase Club, Lobby—Chase

FRIDAY, MAY 24, 1974

8 a.m. - 4 p.m. REGISTRATION, Chase Lounge, Lobby—Chase

Khorassan C — Lobby — Chase

7:55 a.m. WELCOME TO THE CITY OF ST. LOUIS
Dr. Saul Boyarsky, St. Louis, Mo.

8 a.m. OPENING REMARKS
Dr. Charles J. Robson, President Elect of the American Urological Association, Toronto, Canada

8:15 a.m. THE AMERICAN UROLOGICAL ASSOCIATION ALLIED WELCOMING ADDRESS
Dr. Arthur T. Evans, Chairman, AUA Allied Health Professions Committee, Cincinnati, Ohio
Dr. W. Lamar Weems, Vice-Chairman, AUA Allied Health Professions Committee, Jackson, Miss.

8:45 a.m. BUSINESS MEETING
Miss Karolyn K. Bruner, R.N., President, AUA Allied Health Professions Council, Oklahoma City, Okla.

10:30 a.m. TRAUMA TO THE GENITO — URINARY SYSTEM
Dr. Thomas E. Bell, Cincinnati, Ohio

11:30 a.m. LUNCH BY GEOGRAPHIC SECTION

Section Room
Mid Atlantic Empire, Lobby—Park Plaza
New England Tiara N, 26th Floor—Park Plaza
New York Zodiac, Chase Roof
North Central Starlight, Chase Roof
Northeastern Park, 3rd Floor—Chase
South Central Tiara S, 26th Floor—Park Plaza
Southeastern Stockholm, Mezzanine—Park Plaza
Western Palladian, 3rd Floor—Chase

1:30 p.m. URINARY TRACT INFECTIONS — ACUTE AND CHRONIC
Dr. Arthur J. Johnson, Detroit, Mich.

3 p.m. DRUG THERAPY OF URINARY TRACT INFECTION
Dr. A. Richard Kendall, Philadelphia, Pa.

4 p.m. CARE OF PATIENTS WITH URINARY TRACT INFECTIONS

6:30 p.m. - 8 p.m. RECEPTION TO HONOR NEW AUA ALLIED MEMBERS, sponsored by Abbott Laboratories of Chicago, Ill., Chase Club, Lobby—C

6
REGISTRATION, Chase Lounge, Lobby—C

SCIENTIFIC SESSION

PANEL DISCUSSIONS
The panels will discuss the various aspects of patient care, including the patient's experience in the physician's office and in the hospital. The hospital discussions will include the care of the patient in the cystoscopic room, the operating room, and in the recuperating area. Preparation for patient discharge will also be discussed. All four of the following discussions will be presented at 8 a.m. and again at 10 a.m. This will enable each registrant to have the opportunity to attend two of the four groups.

NEW DIRECTIONS IN UROLOGIC RADIOPHGRAPHY,
Stockholm Room, Mezzanine—Park Plaza
Dr. Ian M. Thompson, Moderator, Columbia, Mo.
Dr. Gilbert Ross, Jr., Columbia, Mo.
Ronald Korb, B.S.R.T, M.S., Cincinnati, Ohio

NEW DIRECTIONS IN UROLOGIC SURGERY,
Tiara Room, 27th Floor—Park Plaza
Dr. Paul C. Peters, Moderator, Dallas, Tex.
Dr. Harry W. Schoenberg, St. Louis, Mo.
Dr. W. Lamar Weems, Jackson, Miss.

CARE OF THE PATIENT WITH CANCER OF THE PROSTATE, Empire Room, Lobby—Park Plaza
Dr. Winston K. Mebus, Moderator, Kansas City, Ks.
Dr. Carlos Perez, St. Louis, Mo.
Ruth Ann Small, R.N., Iowa City, Iowa

CARE OF THE PATIENT WITH URINARY CALCULI, Starlight Room, Chase Roof
Dr. Saul Boyarsky, Moderator, St. Louis, Mo.
Dr. Darryl Robert Francis, II, St. Louis, Mo.
James L. Williams, U.T., San Diego, Calif.

SOME PROBLEMS OF HUMAN SEXUALITY (Presentation and Audience Discussion)
Rose Boyarsky, Ph.D., St. Louis, Mo.
Rev. Robert Simpson, Therapist, St. Louis, Mo.

ANATOMY, PHYSIOLOGY AND PATHOLOGIC STATES OF THE PENIS,
Dr. Dale W. Bennett, Cincinnati, Ohio

RECESS

TRANSSEXUALISM — MOVIE AND DISCUSSION,
Dr. A. Colin Markland, Minneapolis, Minn.
SCIENTIFIC EXHIBITS

RUSSELL W. LAVENGOOD, JR., Chairman
Exhibit Hall, lower lobby
Hours—Thursday, May 23, 8 a.m. to 5 p.m.

Booth No. 5-1
THE TEN COMMANDMENTS OF RETROPUBIC PROSTATECTOMY
Robert Lich, Jr., L. W. Howerton, M. Amin,* W. M. Battles* and
H. U. Eickenberg,* Louisville, Ky.
The operative technique of retropubic prostatectomy is demonstrated using
medical art. The proposed ten commandments afford ideal visualization,
assuring optimum hemostasis, facilitating accurate enucleation of adenoma
and obviating damage to the sphincter mechanism.

Booth No. 5-2
METABOLIC CHARACTERISTICS OF THE EPITHELIUM AND MUSCLE
OF SEX ACCESSORY ORGANS
Michael G. Mawhinney,* John A. Bels,* Frank L. Schwartz,* Cindy S.
Dieringer,* John W. Lloyd,* John A. Thomas* and D. Franklin Milam,
Morgantown, W. Va.
In an effort to understand better the metabolism of the prostate where
epithelium cannot be satisfactorily separated from muscle, a number of meta-
bolic characteristics have been investigated in the guinea pig's seminal
vesicle, where the 2 tissue types can be easily separated and examined indi-
vidually. Parameters investigated were androgen assimilation, uptake of non-
utilizable sugars and amino acids, oxygen consumption, adenosine triphos-
phate content, and cyclic-adenosine monophosphate formation. These parameters
differed markedly in the 2 tissue types.

Booth No. 5-3
RENAI ANGIOGRAPHY IN PELVIC URETERAL TUMORS
S. A. Haleem* and Selwyn Z. Freed, New York, N.Y.
Diagnosis of pelvic ureteral tumors is difficult and often delayed due to
the lack of confirmatory findings. Angiography will be negative if the
tumor is small and superficial, but in other cases, valuable information of
diagnostic and therapeutic value will be provided.

Booth No. 5-4
PREPERITONEAL HERNIORRHAPHY—AN ADJUNCT TO PROSTATIC
SURGERY
Elroy D. Kurash* and Lester Persky, Cleveland, Ohio
The preperitoneal approach to hernia repair can easily be applied during
open prostatectomy. The common occurrence of inguinal hernias in patients
with prostatism makes this a valuable adjunct to prostatic surgery. A picto-
rial description of the procedure demonstrates how it is done through the
same incision with excellent results.

*By invitation

Booth No. 5-5
VESICOVAGINAL FISTULAE REPAIR
Henry A. Wise,* II* and Edward V. Bennett, Jr.,* Columbus, Ohio
This exhibit presents the incorporation of a pedicled peritoneal graft in
the suprapubic transvesical approach to the repair of vesicovaginal fistulas.
Experimental work in the laboratory animal is presented and some clinical
results are shown.

Booth No. 5-6
PROGRAMMED ROENTGENOGRAPHIC ASSESSMENT OF ASYMP-
OMATIC SPACE-OCCUPIYING LESION OF THE KIDNEY: ACCURACY,
COMPLICATIONS AND COST FACTORS OF THIS APPROACH
Erich K. Lang,* Raymond W. Turner, Burdett E. Trichel, Eugene St.
Martin, Tobin H. Grigsby,* Hoyt Chance* and Thomas Frazier,*
Shreveport, La.
The high incidence of asymptomatic space-occupying lesions of the kidney
in older age group patients, stresses the need for evaluation by non-invasive
diagnostic techniques. Programmed sequential deployment of roentgenographic
techniques has been proven to establish the diagnosis with accuracy, accept-
able confidence level, and minimal cost in money and resultant complica-

Booth No. 5-7
THE EFFECTS OF ALTERNATE-DAY STEROID THERAPY (ADT) ON
HORMONAL REGULATION POST-RENAL TRANSPLANTATION
Claude Merrin,* Averey Sandberg,* James Smolev,* Zew Wajsman* and
Gerald F. Murphy, Buffalo, N.Y.
This exhibit shows the effects of alternate-day steroid therapy (ADT)
on hormonal regulation after renal transplantation in 12 patients. After ADT,
7 patients showed a decrease in aldosterone secretion rates (ASR), 5 did not
show any changes. No correlation between blood volume, sodium space, renin
plasma levels and ASR was observed.

Booth No. 5-8
SMALL-CARRION PENILE PROSTHESIS
Michael P. Small and Norman M. Carrion,* Miami, Fla.
Through a vertical perineal incision, paired intracorporeal penile prostheses
have been inserted in 20 patients. The prostheses conform to the shape of
the corpus cavernosa and are made of a silicone exterior with a viscous sil-
icone gel interior. The prosthesis approximates the rigidity of the erect penis.

Booth No. 5-9
REVOLUTIONARY CONCEPTS AND TECHNIQUES IN TRANSURE-
THRAL SURGERY
Jose Iglesias, Alexander C. Gellman,* Philip S. Affuso* and Joseph J.
Sebold, Newark, N. J.
A new system of irrigant evacuation during transurethral resection (TUR)
by simultaneous suction of the bladder contents is presented. Also included
*By invitation
is the technique of avoiding the TUR syndrome. This new system of irrigation allows superior vision at all times during the entire procedure without increasing intravesical pressure above 30 mm. Hg.

Booth No. 5-10
AMERICAN UROLOGICAL ASSOCIATION FILM LIBRARY COMMITTEE
David A. Culp, Chairman, Iowa City, Iowa

This exhibit displays a series of basic non-controversial, color, sound, teaching motion pictures designed for graduate and postgraduate medical education in the field of urology. Films are distributed in 16mm and 8mm cartridge loaded format for use in the self-contained Fairchild Mark IV projector and in Super 8 cartridges for the Fairchild Seventy 07 projector. This exhibit has been expanded to include urology teaching slide programs. For more convenient viewing in this exhibit, these programs are presented in Audiscan projectors. The mailing package for viewing includes slides pre-packed in a slide tray, accompanying audio tape and study guide.

Booth No. 5-11
DEFINING URINARY TRACT INFECTIONS

Very few physicians agree on the meaning of simple, complicated, acute, chronic or recurrent urinary tract infections, or for that matter, the definition of pyelonephritis, prostatitis, cysto-trigonitis, urethritis, etc. This exhibit tries to present a consensus of the opinion derived from a survey of 40 prominent urology, internal medicine, nephrology and infectious disease specialists.

Booth No. 5-12
AN EDUCATIONAL VIEW OF THE ROLE OF IMMUNOLOGY IN GENITO-URINARY TUMORS

This educational exhibit will demonstrate to the urologist the importance of the application of immunologic approaches to the study of genito-urinary tumors, e.g.; renal cell carcinoma, bladder, prostatic and testicular malignancies.

Booth No. 5-13
ZINC AND THE PROSTATE

In 19 patients with benign prostatic hypertrophy treated with oral zinc sulfate for 2 years or more, shrinkage of the prostate was noted in 14 patients by symptoms, rectal palpation, x-ray and endoscopy. Continuous zinc therapy remains surprisingly effective in 70 percent of males with obstructive prostatitis.

*By invitation

Booth No. 5-14
SUPRAPUBIC PROSTATECTOMY: MODIFIED HRYNTSCHANK TECHNIQUE

The technique of modified Hryntschak prostatectomy will be described. Comparison of 203 of these prostatectomies to 43 classical suprapubic prostatectomies, reveals a significant lessening of blood loss, operating time and postoperative hospital stay for the modified Hryntschak group.

Booth No. 5-15
A RADIOIMMUNOASSAY FOR PROSTATIC ACID PHOSPHATASE
J. Fenimore Cooper and Andras Foti,* Los Angeles, Calif.

A new radioimmunoassay for the detection and quantitation of human prostatic acid phosphatase in nanogram quantities is presented. The innovative, immunochemical method described may supersede the spectrophotometric vagaries of Gutman, Bodansky and King-Armstrong. Its clinical value lies in its great sensitivity and ability to detect prostatic acid phosphatase in minute quantities. Preliminary data on controls and surgically verified prostatic cancer patients are presented.

Booth No. 5-16
VASOVASOSTOMY: PRINCIPLES AND TECHNIQUE
Stanwood S. Schmidt, Eureka, Calif.

Vasovasostomy is becoming more common as the frequency of vasectomy increases. The principles of this operation, together with the successful technique are presented. Reasons for failure are discussed.

Booth No. 5-17
URINARY UN-DIVERSION IN CHILDREN
W. Hardy Hendren, Boston, Mass.

Twenty-five children who had undergone urinary diversion were re-assessed and "undiverted." In 18, the diversion had been considered permanent, and in 7, temporary. Eight had one kidney. The quality of life was improved for all and we believe there are many children who would benefit by a "second look" for possible refunctionalization of the lower tract.

Booth No. 5-18
CRYSTALLOGRAPHIC ANALYSIS OF URINARY CALCULI

Accurate analysis of the composition of the calculus is important to the establishment of the correct etiology and appropriate treatment in many instances of urolithiasis. The crystallographic method offers several advantages over chemical determinations. The technique is described along with the finding in several usual and unusual stone types.

*By invitation
Booth No. 5-19
PELVIC ARTERIOSCLEROSIS STUDIED BY ARTERIOGRAPHY
John R. Canning,* Roland R. Cross and Frederick A. Lloyd, Hines, Ill.
This exhibit shows the results of a review of 180 arteriograms studied for the incidence of severe arteriosclerosis in the pelvic vessels. A higher incidence of internal iliac disease is found which could be an overlooked cause of impotence. Typical x-rays and penile pulse trainings are also shown.

Booth No. 5-20
ANTI-REFLUX URETERO-ILEAL ANASTOMOSES
Arthur Starr,* J. Fenimore Cooper and David H. Rose,* Los Angeles, Calif.
Ureteral reflux of pathogenic bacteria from ileal conduits is widely believed to be a major cause of hydronephrosis, pyelonephritis, and calculus formation. Therefore, methods of preventing ileoureteral reflux could aid in preserving renal function. This exhibit demonstrates our anti-reflux technique as developed in animals and the preliminary results obtained with 6 patients.

Booth No. 5-21
HOST IMMUNE RESPONSE TO TUMOR ANTIGENS IN PATIENTS WITH RENAL CELL CARCINOMA
Kenneth B. Cummings,* Frederick W. Nelson* and Joseph J. Kaufmann,* Seattle, Wash.
A review of current concepts relating to the interface between tumor cell and host immune response is schematically presented. Data from studies in patients with renal cell carcinomas reflecting on cellular and humoral immunity against tumor specific antigens are summarized.

Booth No. 5-22
INADEQUATE ORCHIECTOMY IN THE PRIMARY MANAGEMENT OF TESTIS TUMORS
K. R. Kedia,* Elwin E. Fraley and Colin Markland, Minneapolis, Minn.
Twenty-two out of 50 patients with non-seminomatous germinal cell tumors of testis had inappropriate primary surgery leading to either inadequate surgery or contamination of groin lymphatics. The exhibit illustrates the importance of high inguinal orchiectomy in the primary management of testis tumors and also illustrates the means of dealing with contaminated orchiectomy.

Booth No. 5-23
FROZEN RED CELLS
The American Red Cross and William Miller,* Washington, D. C.
By means of a sequence of color transparencies, copy, and an animated diagram of the washing system, this American Red Cross exhibit describes red cell glycerolizing, freezing, thawing and washing.

*By invitation

Booth No. 5-24
NON-OPERATIVE MANAGEMENT OF REFLUX: UPDATED RESULTS
Salman O. Kazzmi,* Lowell R. King, A. Barry Belman* and R. Bruce Filmer,* Chicago, III.
Between 1968-69, 323 children who were initially evaluated for reflux were given a trial of non-operative management. Thus far, reflux has stopped in 51 percent and continues in 20 percent. Anti-reflux surgery was required in 29 percent.

Booth No. 5-25
PHYSIOLOGICAL APPROACHES IN RENO-URETERAL SURGERY
The physiological approach avoids unnecessary cutting of the abdominal wall, excessive manipulation of the intraperitoneal viscera or is done in a position that does not interfere with the cardiorespiratory function.
The posterior approach, Lurz and Fey incisions, fulfill in one way or another, these requirements.

Booth No. 5-26
NATIONAL PROSTATIC CANCER PROJECT
The purpose of this project is to determine the usefulness of single agents in the treatment of advanced prostatic carcinoma no longer responsive to hormonal therapy. It is hoped that such a program will lead to effective combination of hormonal and chemical therapy for all stages of this disease.

Booth No. 5-27
CANDICIDIN IN THE TREATMENT OF BENIGN PROSTATIC HYPERTROPHY
Lazarus A. Orkin, New York, N. Y.
The oral administration of candicidin, an aromatic heptane polyene macrolide, has shown to be safe and effective in the long-term relief of symptoms associated with benign prostatic hypertrophy. The drug has been tested on over 300 patients, indicating an overall efficacy rate of 71 percent, as compared to a placebo effect of essentially no change.

Booth No. 5-28
UROLOGICAL SELF-CARE IN QUADRIPLEGIA
G. H. Sell,* Pablo Morales, John Whelan,* Christine A. Cooper,* E. Jane Wippler* and Robert G. Wilson,* New York, N. Y.
This exhibit shows how quadriplegics can be independent in taking care of their uriinary incontinence. Telepags will demonstrate how the male quadriplegic can assemble and apply the condom drainage device and how the female can perform intermittent self-catheterization. A variety of devices will be exhibited for urological self-care.

*By invitation
Booth No. 5-29
CLASSIFICATION OF COMPLETE DUPLICATION OF THE URETERS
A simple classification of complete duplication is presented based on the
locations of the ectopic and orthotopic orifices. The radiographic findings
are demonstrated for each of five locations of the ectopic orifice. The
correlation between ectopia, ureteroceles, reflux and incontinence as they
relate to the duplicated ureters offers a better clinical understanding with
this simple classification.

Booth No. 5-30
THE MODERN CYSTOSCOPY SUITE. UROLOGY AND ENGINEERING
George R. Nagamatsu, New York, N. Y., Chairman, Biomedical Engineer-
ing Committee, and Wyland F. Leadbetter, Boston, Mass.
The committee’s present activities are depicted. Cystoscopy suite design,
standardization of urology devices and its relationship to medical device
legislation, and a prototype program for “Urology and Clinical Engineering”
constitute the main subjects of this exhibit.

Booth No. 5-31
AMERICAN UROLOGICAL ASSOCIATION ALLIED
Frances J. Moss, Denver, Colo.
This exhibit will inform physicians of the progress being made by the
Allied Section throughout the country.

*By invitation
<table>
<thead>
<tr>
<th>Company Name</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>G U Prosthetics—Division of American Medical Systems, Inc.</td>
<td>53</td>
</tr>
<tr>
<td>Golden Valley, Minnesota</td>
<td></td>
</tr>
<tr>
<td>Harper &amp; Row, Publishers, Inc.</td>
<td>74</td>
</tr>
<tr>
<td>Hagerstown, Maryland</td>
<td></td>
</tr>
<tr>
<td>Heyer-Schulte Corporation</td>
<td>61</td>
</tr>
<tr>
<td>Goleta, California</td>
<td></td>
</tr>
<tr>
<td>Hollister Incorporated</td>
<td>90</td>
</tr>
<tr>
<td>Chicago, Illinois</td>
<td></td>
</tr>
<tr>
<td>The Kendall Company</td>
<td>101, 102, 103, 104</td>
</tr>
<tr>
<td>Chicago, Illinois</td>
<td></td>
</tr>
<tr>
<td>Lederle Laboratories</td>
<td>17</td>
</tr>
<tr>
<td>Pearl River, New York</td>
<td></td>
</tr>
<tr>
<td>Liebel-Flarsheim Company</td>
<td>30, 31, 32</td>
</tr>
<tr>
<td>Cincinnati, Ohio</td>
<td></td>
</tr>
<tr>
<td>Eli Lilly and Company</td>
<td>67</td>
</tr>
<tr>
<td>Indianapolis, Indiana</td>
<td></td>
</tr>
<tr>
<td>L T Instruments, Inc.</td>
<td>10</td>
</tr>
<tr>
<td>Houston, Texas</td>
<td></td>
</tr>
<tr>
<td>Mallinckrodt Chemical Works</td>
<td>91</td>
</tr>
<tr>
<td>Hazelwood, Missouri</td>
<td></td>
</tr>
<tr>
<td>McGaw Laboratories</td>
<td>16</td>
</tr>
<tr>
<td>Glendale, California</td>
<td></td>
</tr>
<tr>
<td>Medical Opinion Research Associates</td>
<td>78</td>
</tr>
<tr>
<td>New York, New York</td>
<td></td>
</tr>
<tr>
<td>Mentor Corporation</td>
<td>7</td>
</tr>
<tr>
<td>Minneapolis, Minnesota</td>
<td></td>
</tr>
<tr>
<td>V. Mueller &amp; Co.</td>
<td>69, 70, 71, 72</td>
</tr>
<tr>
<td>Niles, Illinois</td>
<td></td>
</tr>
<tr>
<td>Parke, Davis &amp; Company</td>
<td>65</td>
</tr>
<tr>
<td>Detroit, Michigan</td>
<td></td>
</tr>
<tr>
<td>Pfizer Laboratories</td>
<td>76</td>
</tr>
<tr>
<td>New York, New York</td>
<td></td>
</tr>
<tr>
<td>Pharmaseal</td>
<td>89</td>
</tr>
<tr>
<td>Glendale, California</td>
<td></td>
</tr>
<tr>
<td>Porges Catheter Corporation</td>
<td>20</td>
</tr>
<tr>
<td>New York, New York</td>
<td></td>
</tr>
<tr>
<td>Purdue Frederick Company</td>
<td>55</td>
</tr>
<tr>
<td>Norwalk, Connecticut</td>
<td></td>
</tr>
<tr>
<td>Riker Laboratories, Inc.—3M</td>
<td>82, 83</td>
</tr>
<tr>
<td>Northridge, California</td>
<td></td>
</tr>
<tr>
<td>Ritter Co.—Sybron Corp.</td>
<td>58</td>
</tr>
<tr>
<td>Rochester, New York</td>
<td></td>
</tr>
<tr>
<td>Roche Laboratories, Division of Hoffmann-La Roche, Inc.</td>
<td>93, 94, 95, 96, 97, 98, 99, 100, 105, 108, 109, 110</td>
</tr>
<tr>
<td>Nutley, New Jersey</td>
<td></td>
</tr>
<tr>
<td>Roerig Division, Pfizer, Inc.</td>
<td>59</td>
</tr>
<tr>
<td>New York, New York</td>
<td></td>
</tr>
</tbody>
</table>

Rusch Incorporated
- New York, New York
- Philadelphia, Pennsylvania
- Karl Storz Endoscopy—America, Inc.
  - North Miami Beach, Florida
- Storz Instrument Company
  - St. Louis, Missouri
- Travenol Laboratories, Inc.
  - Deerfield, Illinois
- Valleylab, Inc.
  - Boulder, Colorado
- Warner-Chilcott
  - Morris Plains, New Jersey
- Webcon Pharmaceuticals
  - Memphis, Tennessee
- Williams & Wilkins Co.
  - Baltimore, Maryland
- Winthrop Laboratories
  - New York, New York
- Richard Wolf Medical Instruments Corp.
  - Rosemont, Illinois
PARTICIPANTS

THOMAS E. BELL, M.D.—Division of Urology, University of Cincinnati Medical Center, Cincinnati, Ohio

DALE W. BENNETT, M.D.—Division of Urology, University of Cincinnati Medical Center, Cincinnati, Ohio

ROSE BOYARSKY, Ph.D.—Reproductive Biology Research Foundation, St. Louis, Missouri

SAUL BOYARSKY, M.D.—Chief, Division of Urology, Washington University School of Medicine, St. Louis, Missouri

JANE DeCROOET, R.N., B.S.—Nurse Epidemiologist, Veterans Administration Hospital, Madison, Wisconsin

ARTHUR T. EVANS, M.D.—Professor and Director, Division of Urology, University of Cincinnati Medical Center, Cincinnati, Ohio and Director of Medical Education, American Urological Association Allied

DARRYL ROBERT FRANCIS, II, M.D.—Chief Resident, Division of Urology, Barnes Hospital, St. Louis, Missouri

ARTHUR J. JOHNSON, M.D.—Detroit, Michigan and Member, Allied Health Professions Committee

A. RICHARD KENDALL, M.D.—Clinical Professor of Urology, Temple University Medical Center, Philadelphia, Pennsylvania and Member, Allied Health Professions Committee

RONALD KORB, B.S.R.T., M.S.—Assistant Professor of Radiologic Technology, University of Cincinnati Medical Center, Cincinnati, Ohio

A. COLIN MARKLAND, M.D.—Professor of Urology, University of Minnesota (University of Minnesota Transsexualism Research Program), Minneapolis, Minnesota

WINSTON K. MEBUST, M.D.—Section of Urology, University of Kansas Medical Center, Kansas City, Kansas, and Member, Allied Health Professions Committee

CARLOS PEREZ, M.D.—Professor of Radiology, Washington University School of Medicine, St. Louis, Missouri

PAUL C. PETERS, M.D.—Professor and Chairman, Division of Urology, The University of Texas Southwestern Medical School at Dallas

CHARLES J ROBSON, M.D.—President-Elect, American Urological Association, Toronto, Ontario, Canada

GILBERT ROSS, JR., M.D.—Professor, Section of Urology, School of Medicine, University of Missouri, Columbia, Missouri

HARRY SCHOENBERG, M.D.—Section of Urology, School of Medicine, St. Louis University, St. Louis, Missouri

REVEREND ROBERT SIMPSON—Therapist, Reproductive Biology Research Foundation, St. Louis, Missouri

RUTH ANN SMALL, R.N.—Department of Urology, University of Iowa, Iowa City, Iowa

IAN THOMPSON, M.D.—Professor and Chairman, Section of Urology, School of Medicine, University of Missouri, Columbia, Missouri

ANNE WEBER, R.N.—Hoffman Urological Clinic, Huntington, West Virginia

W. LAMAR WEEMS, M.D.—Department of Urology, University of Mississippi Medical Center, Jackson, Mississippi, and Vice-Chairman, Allied Health Professions Committee

JAMES L. WILLIAMS—Alternate Representative, Western Section, American Urological Association Allied, San Diego, California
CANDIDATES FOR ELECTION
TO ALLIED MEMBERSHIP—1974

The following have applied for Allied Membership in the American Urological Association and will be considered by the Association’s Membership Committee, Executive Committee and members present and voting at the annual business meeting for election to Allied Membership in 1974:

Adams, Geraldine M., RN ..........307 Highland Ave., Lumberton, N. C. 28358
Balthazor, Sue S., RN ..................P. O. Box 99, Cocoa, Fla. 32922
Bartosek, Mary C., RN .........Wiesethoff Memorial Hosp., 110 Longwood Ave., Rockledge, Fla. 32955
Bayer, Mary Jane, RN ..........146 Heathert Rd., Checketawas, N. Y. 14225
Beard, Nesta M., LPN .............Rt. 3, Box 310, Hickory, N. C. 28601
Biddle, William S., PA ..UNC Medical School, Dept. of Surgery/Urology, N. C. Memorial Hosp., Chapel Hill, N. C. 27514

Bledsoe, Chester H., Tech. ..........1790 John Wesley, Orangeburg, S. C. 29115
Bledsoe, Jacqueline M., Tech. ....1790 John Wesley, Orangeburg, S. C. 29115
Bohlen, Rowena M., LPN ..........429 W. Nebraska Ave., Peoria, Ill. 61604
Boone, Mary Ann, RN ..........1001 E. Latham, Suite A, Hemet, Calif. 92343
Bright, Bonnie B., RN .............2631 Rebecca, Sioux City, Iowa 51103
Bright, Mozelle E., Tech. ..........P. O. Box 352, Seaside, Calif. 93955
Brinkley, Diane N., Tech. ....Rt. 3, Arden Forest Circle, Clemmons, N. C. 27102
Brown, Alice M., RN ..............521 Bond St. (Box 335), Dover, Ohio 44622
Burkwood, Alice M., RN ..........2413 N. Sheridan Ave., Grand Island, Neb. 68801
Burton, Frances A., RN ..........4039 Lanark, Houston, Texas 77025

Campbell, Gethsemane J., RN ..........6319 Heatherbloom, Houston, Tex. 77045
Cannady, Donald D., Tech. .........8814 N. E. Fremont, Portland, Ore. 97220
Caselman, Vance D., RN ..........8142½ Troost Ave., Kansas City, Mo. 64131
Caswell, Ardus M., RN ..........395 N. W. 177 St., No. 204, Miami, Fla. 33169
Chevigny, Violette, RN ..........11825 102 St., No. 301, Edmonton, Alberta, Canada

Collazo-Rodriguez, Angel Julio, LPN ..........Edificio Oliver 204, Arecibo, Puerto Rico 00612
Connors, Melba C., RN ..........University Hosp., Div. of Urology, 225 W. Dickinson, San Diego, Calif. 92103
Cook, Kathy S., RN ..........1851 First Ave., N.W., Hickory, N. C. 28601
Dana, Rita M., RN ..........622 N. Plymouth, Los Angeles, Calif. 90004
Doetting, Vera S., RN ..........1955 Winchester Rd., Lyndhurst, Ohio 44124
Donohue, Donna A., RN ..........7660 Phoenix, No. 2537, Houston, Tex. 77025
Driver, Jean E., RN ...............Rt. 3, Box 133, Troutdale, Ore. 97060

Ellingson, Machelle, LPN ..........615 Mill St., South, Suite 125, Fergus Falls, Minn. 56537
Flynn, Sylvia M., LPN ..........Box 7123, Jacksonville, Fla. 32210
France, Robert L., PA ..........413 Vardy St., Greenville, S. C. 29601
Friessen, Sharon R., RN ..........3605 Ash Grove, Sioux Falls, S. D. 57103
Froehlich, Mary R., RN ..........7315 Brompton 319-B, Houston, Tex. 77025
Garrett, Burma J., RN ..........4300 Alton Rd., Apt. 336, Miami Beach, Fla. 33140
Geissler, Jean M., PA ..........519 E. 7th St., New York, N. Y. 10021
Gerbig, Charlotte W., RN ..........2112 Casa Ave., Evansville, Ind. 47714
Grillo, Sally M., RN ..........1375 Lambert St., Rahway, N. J. 07065
Gunderson, Bernice B., RN ..........11150 Pine St., Lynwood, Calif. 90262
Hale, Ardeith S., RN ..........3605 S. W. 91st Ave., Portland, Ore. 97225
Hanson, Dorothy, RN ..........12927 S. E. Lincoln St., Portland, Ore. 97233
Harp, Kathleen J., RN ..........1205 Pleasant Pl., Lakeland, Fla. 33801
Heitzman, Teri S., RN ..........880 Lafayette Ave., Apt. 12, Cincinnati, Ohio 45220
Hemmerle, Willurga K., RN ..........Box 25, Elmhurst Country Club, Elmhurst, Ill. 60126
Holt, Generie F., RN ..........4455 Los Feliz Blvd., Los Angeles, Calif. 90027
House, Lila G., RN ..........Box 176, Medical College of Virginia, Div. of Urology, Richmond, Va. 23229
Hoyle, Wilma, ET ..........824 Alma St., Mulberry, Ark. 72947
Hoytsak, Judith A., RN ..........309 Halton Rd., Syracuse, N. Y. 13224
Hughes, Ruth Diane, RN ..........7490 Brompton, No. 262, Houston, Tex. 77025
Hurd, Margaret J., RN ..........3215 S. Western Ave., Apt. 16, Sioux Falls, S. D. 57105
Ingham, Harriet A., RN ..........University of California, Third Ave. and Fairmount, San Francisco, Calif. 94112
James, Larry W., Tech. ..........19th and Blue Ridge, RDF 6, Lot 108, Kansas City, Mo. 64124
Johnson, M. Marie, RN ..........104 N. "H", Indiana, Iowa 50125
Jones, Helen C., RN ..........1155 N. W. 30th Ave., Gainesville, Fla. 32601
Kania, Frances, RN ..........3414 W. Evergreen Ave., Chicago, Ill. 60651
Kelly, Helen H., RN ..........375 Albany Ave., Kingston, N. Y. 12401
Konовалoff, Nina O., RN ..........Box 176, Medical College of Virginia, Richmond, Va. 23229
Kuscheil, Patricia A., LPN ..........P. O. Box 26901, Oklahoma City, Okla. 73190
Lee, Clifton P., LPN ..........Madigan Army Medical Center, Box 600, Tacoma, Wash. 98431
Lenzo, Frank R., Tech. ............110 W. 94th St., New York, N. Y. 10025
Lesowski, Judith, Tech. ..........336 N. 28th St., Apt. 303, Milwaukee, Wisc. 53208
Lynn, Marie S., Tech. ..........376 W. Milford St., Glendale, Calif. 91203
Martin, Alexander, Tech. ..........2806 Royal St., Augusta, Ga. 30904
Masgay, Patricia P., RN ..........812 Rosedale Ave., West Deal, N. J. 07712
<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
</tr>
</thead>
<tbody>
<tr>
<td>McGinnis, Nancy, RN</td>
<td>1211 N. Shartel, Suite 606, Oklahoma City, Oklahoma</td>
<td>73103</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Milazzo, Joan, RN</td>
<td>4665 Perelli Dr., New Orleans, La.</td>
<td>70127</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mindlin, Elizabeth M., PA</td>
<td>14 Buena Vista St., Stamford, Conn.</td>
<td>06902</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nance, Darlene, Tech.</td>
<td>1905 Jonquil Dr., Jeffersonville, Ind.</td>
<td>47130</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Norman, Ethan P., Tech.</td>
<td>1269 Delasfield Pl., N.E., Washington, D.C.</td>
<td>20017</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odend'hal, Patricia N., RN</td>
<td>872 Locust Ave., Charlotteville, Va.</td>
<td>22901</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pollet, Anna, RN</td>
<td>6012 Arthur, St. Louis, Mo.</td>
<td>63139</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Porter, Mary Helen, LPN</td>
<td>4933 S. E. Taylor, Portland, Ore.</td>
<td>97214</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pustejovsky, Hedwig A., LVN</td>
<td>P.O. Box 27566, Houston, Tex.</td>
<td>77027</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rancy, Robert M., PA</td>
<td>468 N. Stonewall, Memphis, Tenn.</td>
<td>38112</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rodriguez, Virginia, LPN</td>
<td>1305 Ninth Ave., Dodge City, Ks.</td>
<td>67801</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ross, Anne A., RN</td>
<td>1617 Holly Rd., Lakeland, Fla.</td>
<td>33801</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Samuels, Pearl V., RN</td>
<td>2815 Hudson St., Denver, Colo.</td>
<td>80207</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Schmidt, Gilda A., LPN</td>
<td>Applegate Ln., Johnstown, N.J.</td>
<td>08041</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Schwalin, Jamie T., LVN</td>
<td>2210 Maroneal, Suite 418, Houston, Tex.</td>
<td>77025</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slack, Joan M., RN</td>
<td>2946 N. Racine, Chicago, Ill.</td>
<td>60657</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smith, Betty L., Tech.</td>
<td>4623 Eighth St., N.W., Washington, D.C.</td>
<td>20011</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Snyder, Janis M., RN</td>
<td>7718 Lacy Hill, Houston, Tex.</td>
<td>77036</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sparks, Eva Jane, RN</td>
<td>3406 S. Voss Rd., D317, Houston, Tex.</td>
<td>77027</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Turner, Dan F., Jr., ORT</td>
<td>Warren County Hospital, Reservoir Park, Bowling Green, Ky.</td>
<td>42101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tzolos, Gregory, RN</td>
<td>660 E. 98th St., Apt. 12E, Brooklyn, N.Y.</td>
<td>11236</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vaughan, Myra A., RN</td>
<td>13161 Allard Ave., Apt. I, Garden Grove, Calif.</td>
<td>92640</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vincent, Steven M., Tech.</td>
<td>9200 Bloomfield, No. 1, Cypress, Calif.</td>
<td>90630</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Walker, Sandra P., RN</td>
<td>6555 Marsol Rd., Mayfield Heights, Ohio</td>
<td>44124</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wallace, Alicia Ann, PA</td>
<td>3140 Holbrook Dr., Marietta, Ga.</td>
<td>30060</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weatherly, Donna J., RN</td>
<td>3301 Cheyenne Blvd., Sioux City, Iowa</td>
<td>51104</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Welch, Orva R., RN</td>
<td>2316 N. Hartford, Fullerment, Calif.</td>
<td>92635</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wenzel, Carol Ann, RN</td>
<td>103 Glenwood Ave., Catonsville, Md.</td>
<td>21228</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Whelan, John, RN</td>
<td>86-33 55th Rd., Elmhurst, New York, N.Y.</td>
<td>11373</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wittrock, Margaret A., RN</td>
<td>4106 N. W. 34th, Oklahoma City, Okla.</td>
<td>73112</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zellweger, Hedy, Tech.</td>
<td>1602 Pontius Ave., Apt. 26, Los Angeles, Calif.</td>
<td>90025</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL: 96 Candidates**