



*"The greatest of faults is
to be conscious of none."*

—Carlyle

BULLETIN

of the
MAHONING
COUNTY
MEDICAL
SOCIETY

Youngstown, Ohio
MAY • 1948
VOL. XVIII No. 5

Mothers

APPRECIATE THE SIMPLICITY OF PREPARING FEEDINGS



The preparation of Similac feedings requires only the addition of Similac powder to previously boiled, tepid water—in the proportions you prescribe. Mixing requires only 20 to 30 seconds. The simpler your directions to the mother, the less chance of error on her part. And simpler procedure in preparing feedings makes sanitation easier.

Physicians

LIKE THE UNIFORM RESULTS

Similac is simple to prepare . . . Modern . . . Ethical. It gives uniformly good results. .



A powdered, modified milk product, especially prepared for infant feeding, made from tuberculin tested cow's milk (casein modified) from which part of the butter fat has been removed and to which has been added lactose, coconut oil, cocoa butter, corn oil, and olive oil. Each quart of normal dilution Similac contains approximately 400 U.S.P. units of Vitamin D and 2500 U.S.P. units of Vitamin A as a result of the addition of fish liver oil concentrate.



SIMILAC

Similar to breast milk

M & R DIETETIC LABORATORIES, INC. • COLUMBUS 16, OHIO

MAY

TABLE OF CONTENTS

Vol. XVIII—No. 5

May, 1948

OFFICERS AND COMMITTEES - - - - -	169
MEDICAL CALENDAR - - - - -	171
PRESIDENT'S PAGE - - - - -	172
THE DOG PROBLEM - - - - -	173
MEDICAL LIBRARY FACILITIES IN MAHONING COUNTY -	175
OUR MEDICAL SUPREME COURT - - - - -	177
GENERAL PRACTITIONER - - - - -	179
CINCINNATI MEETING - - - - -	181
OHIO ACADEMY OF GENERAL PRACTICE - - - - -	188
IN MEMORIAM - - - - -	184
MEDICAL CRIER - - - - -	191
COUNCIL MEETING - - - - -	193
NEUROPARALYTIC ACCIDENTS DURING THE COURSE OF ANTI-RABIC TREATMENT - - - - -	195

ADVERTISERS' LIST

PATRONIZE THEM—THEY MAKE THE BULLETIN POSSIBLE

Ayerst, McKenna & Harrison	174	Lyons Physician Supply	180-190
Beil-Rempes Drugs	196	McKelvey's	182
Blair Dry Cleaning Co.	194	Mead, Johnson & Co.	204
Bowman Bros.	196	Mercer Sanitarium	186
Breon & Co.	192	Merrell	196
Buffington's	198	Overlook Sanitarium	203
Cassaday Pharmacy	198	Pitman-Moore	170
Central Square Garage	196	Professional Pharmacy	200
Ciba	176	Renner's	180
Connecticut Mutual Life Ins. Co.	182	Scott Co.	188
Cross Drugs	180	Similac	166
Endo Products, Inc.	192	Spencer Supports	194
Healthhaven	188	Squibb & Sons	202
Isaly's	178	Stillson, Lloyd T. & Asso.	200
James & Weaver	198	Strouss-Hirshberg Co.	190
Laeri's Pharmacy	182	Thornton's	198
Lester's Pharmacy	202	Truedley, H. H. & Co.	192
Eli Lilly & Co.	168	White Drug Stores	186
Lincoln Ave. Alcoholic Clinic	203	Yo. Printing Co.	192
Lincoln Lab., Inc.	194	Zemmer Co.	202



flexible

Multiple vitamin deficiencies in individual patients vary from borderline nutritive failure to frank deficiency syndromes. According to individual needs, Gelseals 'Multicebrin' (Pan-Vitamins, Lilly) may be employed in doses ranging from one gelseal to five or more gelseals a day. One Gelseal 'Multicebrin' daily is adequate for prophylaxis of multiple vitamin deficiencies. For treatment, from two to five should be prescribed when multiple vitamins in high potency are indicated.

The formula of Gelseals 'Multicebrin' and those of other Lilly vitamin preparations are available to physicians in the 1948 edition of *Lilly Vitamin Products for Prescription Use*.

Copies are available upon request.

MULTICEBRIN

ELI LILLY AND COMPANY
INDIANAPOLIS 6, INDIANA, U. S. A.

THE MAHONING COUNTY MEDICAL SOCIETY

169

OFFICERS AND COMMITTEES

JOHN NOLL, Pres. 101 Lincoln Avenue J. K. HERALD, Treas. 403 Central Tower	J. N. McCANN, Pres.-Elect 2724 Mahoning Avenue MRS. MARY B. HERALD, Exec. Sec'y 125 W. Commerce Street	V. L. GOODWIN, Sec'y 501 Central Tower
--	--	--

Censors	Delegates	Alternate Delegates
W. H. BUNN ('48)	W. M. SKIPP ('48)	R. E. ODOM ('48)
E. J. REILLY ('49)	E. J. WENAAS ('49)	I. C. SMITH ('48)
G. M. McKELVEY ('50)	G. G. NELSON ('50)	W. J. TIMS ('48)

THE COUNCIL

W. H. BUNN	J. N. McCANN	R. E. ODOM	W. J. TIMS
V. L. GOODWIN	G. M. McKELVEY	E. J. REILLY	E. J. WENAAS
C. A. GUSTAFSON	G. G. NELSON	I. C. SMITH	
J. K. HERALD	J. N. NOLL	W. M. SKIPP	

COMMITTEES

PROGRAM—Coombs, Chairman; Bunn, Collier, Golden, Evans, Myers, Lewis, Reed, Rogers, O. A. Turner, Yarmy, Renner.

POSTGRADUATE—Ondash, Chairman; DeCicco, Phillips, Wagner, Frances Miller, De Tesco, Reese, Vance, Shensa, Curtis, Deitchman, Hart, W. L. Mermis.

PUBLIC RELATIONS AND ECONOMICS—Reilly, Chairman; Walker, Hubler, Cukerbaum, Bowman, Wasilko, Firestone.

SUB COMMITTEE ON PUBLIC RELATIONS—Tims, Chairman; Goldberg, Rothrock, E. H. Young, Welter, Kendall, McGregor, McReynolds.

SUB COMMITTEE ON ECONOMICS—Ivan C. Smith, Chairman; J. C. Hall, W. P. Young, Szucs, S. H. Davidow, Raupple.

SUB COMMITTEE ON INDIGENT RELIEF—Getty, Chairman; Burrowes, Sidney L. Davidow, Rummell, Brody, Dulick.

LEGISLATIVE—Skipp, Chairman; Walker, Reilly, Smeltzer, Colla, Kaufman, Beede, Zeve, Belinky.

PUBLIC HEALTH—Hathhorn, Chairman; Mahar, Wales, Giffin, McDonough, Kiskaddon, Keogh, Tarnapowicz, Brandmiller, Schmid, Hayes, Miglets, Mossman, Welsh, S. G. Patton, Franklin, Tims.

LAY EDUCATION AND SPEAKERS—G. E. DeCicco, Chairman; Fuzy, Delfs, Dreiling, Mylott, Brown, Sidney Keyes, Stotler, Schwebel, Cronick.

VETERANS—Nelson, Chairman; I. C. Smith, Middleton, Boyle, Randell, Weller, McConnell, McElroy, Moyer.

CANCER—Brandt, Chairman; Heberding, S. J. Tamarkin, E. C. Baker, Lowendorf, Frances Miller, E. H. Young, Sears, Lups, Scarnechia, Altdorffer.

HOSPITAL RELATIONS—Allsop, Chairman; McNamara, Bunn, Birch, Brant, J. R. Buchanan, Ranz, Ipp, A. J. Fisher.

INDUSTRIAL HEALTH—Neidus, Chairman; J. U. Buchanan, Kennedy, W. B. Turner, Nesbit, Harvey, Welter, Allsop, Kravec, J. E. L. Keyes, Kirkwood.

HOUSING AND LIBRARY—Wenaas, Chairman; Nagel, Patrick, Klatman, Marinelli, Banninga, McOwen, McKelvey.

HARD OF HEARING—Odom, Chairman; R. A. Hall, Walker, Goodwin, Mylott, F. F. Piercy, R. L. Piercy, Myers, S. W. Goldcamp.

PUBLICITY—Morris Rosenblum, Chairman; Sofranec, Kupec, Fusco, Kocialek, Kiskaddon, Zlotnick.

MENTAL HYGIENE—Poling, Chairman; Elder, Olson, Lawton, Reese, Gustafson.

MEDICAL—LEGAL—Smeltzer, Chairman; J. L. Fisher, Fuzy, Walker, Coe, Clifford, McCune, Wilkoff.

SOCIAL—J. S. Goldcamp, Chairman; Odom, Birch, Hubler, Samuel Tamarkin, R. A. Hall, Sisek, Brandt, Hutt.

AUXILIARY ADVISORY—W. O. Mermis, Chairman; C. D. Hauser, Allsop, Weller, J. D. Miller, Rappoport.

ALLIED PROFESSIONS COMMITTEE—Skipp, Chairman; McKelvey, McCann, Nardacci, Reilly, Walker, Dentists—E. C. Brown, Kerr, James, Tomb, Mr. R. White, W. Hoobler, T. Hewitt, G. F. Hammond, Emma Modeland, Elizabeth Evans.

ASSOCIATED HOSPITAL—Patrick, Chairman; C. D. Hauser, Allsop.

STATE COMMITTEES—Medical Care of Veterans—Nelson; Judicial and Professional Relations—Wenaas; Medical Service Plans—Skipp; Delegate to A. M. A.—Skipp; Sub-Committee on Legislation—Skipp; Rural Health—E. G. Caskey; Mental Hygiene—Lawton.



MAXIMUM
Effectiveness

MINIMUM
Toxicity

Each fluid ounce of Magmoid Sulco contains:

Sulfamerazine (microcrystals)	1 Gm. (15.43 grs.)
Sulfadiazine (microcrystals)	1 Gm. (15.43 grs.)
Sulfathiazole (microcrystals)	1 Gm. (15.43 grs.)
Viscous diluent	q.s.
Benzoic Acid 0.25% (preservative)		

MAGMOID SULCO gives sulfonamide concentrations equal in effectiveness to that from comparable doses of the individual drugs—but with minimum danger of crystalluria, renal obstruction or toxicity—facts amply backed by substantial evidence in the literature.

Magmoid Sulco, a smooth, creamy liquid, is to be preferred for administration of triple sulfonamides because of its permanence and palatability and the ease with which dosage calculations may be made (each average teaspoonful—1/6 fl. oz.—contains 0.5 Gm.—7.7 grs.—of the combined sulfonamides).

In 2 ounce; 12 ounce; and gallon bottles

PITMAN-MOORE COMPANY

Division of Allied Laboratories, Inc., Indianapolis

MEDICAL CALENDAR

1st Tuesday 8:30 p. m.	Monthly Staff meeting, Youngstown Hospital Auditorium—Nurses' Home
	Monthly Staff meeting, St. Elizabeth's Hospital, St. Elizabeth's School of Nursing
Sunday following 1st Tuesday 11:00 a. m.	Monthly Surgical Conference, St. Elizabeth's Hospital Library
2nd Monday 9:00 p. m.	Council Meeting—Mahoning County Medical Society—Office of the Society—Schween-Wagner Bldg.
2nd Tuesday 11:30 a. m.	Monthly Medical Conference, Youngstown Hospital Auditorium—Nurses' Home
8:30 p. m.	Monthly Staff Meeting—Youngstown Receiving Hospital Auditorium
3rd Tuesday 8:30 p. m.	Monthly Meeting—Mahoning County Medical Society—Hotel Pick-Ohio.
4th Tuesday 8:30 p. m.	Monthly Staff Meeting—Tuberculosis Sanitarium, Kirk Road
Every Tuesday 8:00 a. m.	Weekly Medical Conference, St. Elizabeth's Hospital Solarium
Every Tuesday 11:00 a. m.	Orthopedic Conference, St. Elizabeth's Hospital Library
Every Thursday 12:30 p. m.	Orthopedic Section, Library—South Side Unit, Youngstown Hospital
	Weekly Surgical Conference, Youngstown Hospital—Nurses' Home
Every Friday 11:00 a. m.	Urological Section, Library—S. Side Unit, Youngstown Hospital
	Clinico-Pathological Conference, St. Elizabeth's Hospital Library
Every Friday 11:30 a. m.	Clinic—Pathology Conference, Auditorium Nurses' Home South Side Unit Youngstown Hospital
Alt. Saturdays 11:00 a. m.	Obstetrical Section—North Side Unit of Youngstown Hospital

COMING MEETINGS

American Medical Association Annual Meeting, Chicago, June 21-25, 1948.

Sixth Councilor District Post Graduate Assembly, Akron, October 13, 1948.

PRESIDENT'S PAGE

★ ★ ★

As an organization grows its management becomes more and more complex. Fortunately the Mahoning County Medical Society has established through its Constitution and By-Laws an integrated unit which functions "almost automatically"—at least on the surface.

One of the spokes in the wheel is the Council of the Society. For obvious reasons all of the various business matters of the Society cannot be handled by each and every member of the Society and so Council becomes a form of business manager. It is required by our By-Laws that: "The Council shall hold monthly meetings except during the summer recess." These meetings are held on the second Monday of each month, excepting July and August, in the Council Room, Medical-Dental Bureau, Schween-Wagner Building, second floor, at 9 P. M. The minutes of these meetings are being published in the Bulletin more detailed than heretofore so that each and every member of the Society should be cognizant of what is going on. There has arisen one misconception by some members which prompts devoting this particular page to the subject. That misconception is that the Council Meetings are closed meetings. Such is not the case and any member of the society is always more than welcome to attend any or all of these sessions and more than that to take an active part in discussing the various local, state and national problems presented to us. Unless one understands all of the phases of a particular problem—and this may require several hours of discussion—the method of solving said problem is poorly understood. So if the urge to attend arises, please feel free to satisfy that urge.

JOHN NOLL, M. D.

BULLETIN of the Mahoning County Medical Society

Published monthly at Youngstown, Ohio

Annual Subscription, \$2.00

VOLUME 18

MAY, 1948

NUMBER 5

Published for and by the members of the Mahoning County Medical Society

C. A. GUSTAFSON, *Editor*
101 Lincoln Avenue

ASSOCIATE EDITORS

F. S. Coombs
W. D. Coy
J. L. Fisher

H. K. Giffen
S. Klatman
J. D. Miller

H. E. Patrick
H. J. Reese
R. J. Scheetz

S. W. Ondash

W. J. Tims

The Dog Problem

★ ★ ★

In this issue of the Bulletin, Dr. Oscar Turner presents three cases of paralysis that have followed vaccination for rabies.

Our county has the greatest incidence of reported cases in the United States, and many persons each year are taking prophylactic treatment following exposure to possible rabies, dog-bites predominating.

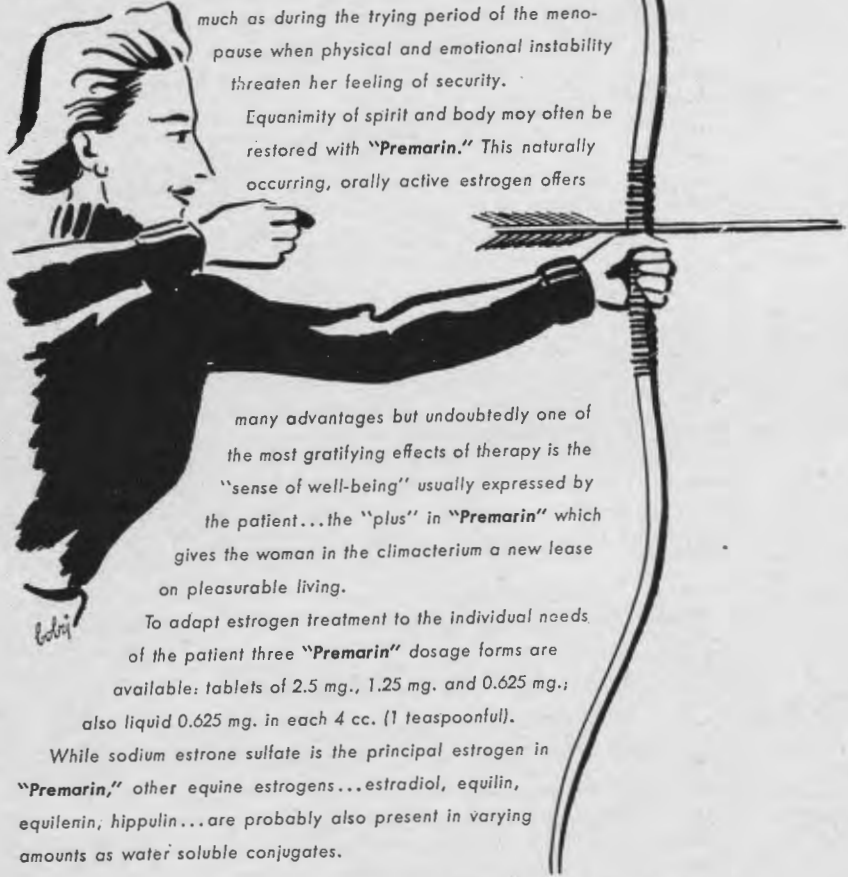
Dr. Turner's article is, we think, a contribution to the literature on this subject. It should awaken not only the public to the importance of rabies control, but should remind us of our duty as medical advisors. We must not only insist that our patients comply with the state requirements for prophylaxis, but must also inform them of the dangers that attend both the rabies and the treatment. They should know that prophylactic treatment is not to be recommended without the probabilities of infection having been carefully considered. In unquestioned cases, there is no alternative.

Let us assure the authorities that we are ready to cooperate with them completely in eradicating this menace.

middle age *pleasurable living*

Perhaps, at no other time does a woman need reassurance so much as during the trying period of the menopause when physical and emotional instability threaten her feeling of security.

Equanimity of spirit and body may often be restored with "Premarin." This naturally occurring, orally active estrogen offers



many advantages but undoubtedly one of the most gratifying effects of therapy is the "sense of well-being" usually expressed by the patient...the "plus" in "Premarin" which gives the woman in the climacterium a new lease on pleasurable living.

To adapt estrogen treatment to the individual needs of the patient three "Premarin" dosage forms are available: tablets of 2.5 mg., 1.25 mg. and 0.625 mg.; also liquid 0.625 mg. in each 4 cc. (1 teaspoonful).

While sodium estrone sulfate is the principal estrogen in "Premarin," other equine estrogens...estradiol, equilin, equilenin, hippulin...are probably also present in varying amounts as water soluble conjugates.



"PREMARIN"®



CONJUGATED ESTROGENS (equine)

Ayerst, McKenna & Harrison Limited 22 East 40th Street, New York 16, New York

MEDICAL LIBRARY FACILITIES IN MAHONING COUNTY

A consideration of medical Library facilities in Youngstown and Mahoning County would lead to the conclusion that the time had arrived for the Medical fraternity to make one of two choices for future development.

Thirty-five years ago a beginning toward a medical library was undertaken by the Mahoning County Medical Society. At that time the meeting place of the Society was in the basement room of the Reuben McMillan Library. Book cases were installed about the walls of the room and became the depository for libraries of the deceased members. However, some eight to ten then current medical journals were subscribed for and bound by the society. Among the books derived from private libraries were many early bound volumes of the Journal of American Medical Association and many "systems" of medicine and surgery popular in the early days of American medical book publishing houses. Then, too, there were many single volumes on any and all phases of medicine.

This early attempt at the establishment of a County Society sponsored medical library came to an end in the early 1920's when the Society became too large for the Library room quarters as a meeting place and moved its meetings to the Youngstown Club Rooms. Since then the books and bound volumes of periodicals have remained at the Library room taking up space and accumulating dust.

In 1934 the Youngstown Hospital staff began in a small way to accumulate a reference library for the use of the internes and staff members. This movement was supported by staff dues, space being provided by the institution. This movement has grown steadily, in fact has accelerated rapidly since the war period so that today the library houses several thousand volumes of bound periodicals and texts. About fifty current periodicals are subscribed to and bound as rapidly as volumes are completed. Furthermore, through membership in the American Library Association, the Library, through the exchange feature of the Association has complete sets of many of the periodicals available for reference. There is also a complete file of the Quarterly Accumulative Index of Medicus. Besides the periodicals there are numerous text books, systems and monographs. The Saint Elizabeth Hospital staff has proceeded along the same line but in somewhat lesser degree.

The choice then is this. Whether to hope for a future development of a County Medical Society Library or to utilize the material assembled at the McMillan library in augmenting the Hospital staff libraries.

In the writer's opinion the latter is the proper choice. The libraries associated with the hospitals are much more accessible and lend themselves to greater use in the teaching of internes and residents and for the use by the staff members. The facilities of the two institutions are mutually utilizable. The resources of the County nucleus could be amicably divided between the two to eke out missing volumes or as a basis for future collections. It is extremely problematical that the society will at any future time be in a financial position to provide suitable quarters and librarian supervision for an expanding library.

It is recommended that the council consider this matter and enact suitable procedures for its consummation. By so doing some valuable material would be made available and the space now occupied in the McMillan Library could be returned to them.

H. E. PATRICK, M. D.

the most economical form
of male hormone therapy

METANDREN LINGUETS

- Avoid hepatic inactivation
- Simulate natural secretion

...“BETWEEN THE MOLAR
TEETH AND CHEEK”...

The Linguet containing methyltestosterone is placed in the space between the molar teeth and cheek, a natural buccal pocket. Dissolving slowly, the drug enters the systemic circulation, largely avoiding inactivation in the liver and intestinal tract. Dosage is therefore approximately one-half that required when tablets are ingested . . . “the most economical and also efficient way of administering testosterone . . .”¹

1. Lissner, H.: *Calif. & West. Med.*, 64: 177, 1946.

● CIBA PHARMACEUTICAL PRODUCTS, INC., SUMMIT, N. J.

Ciba

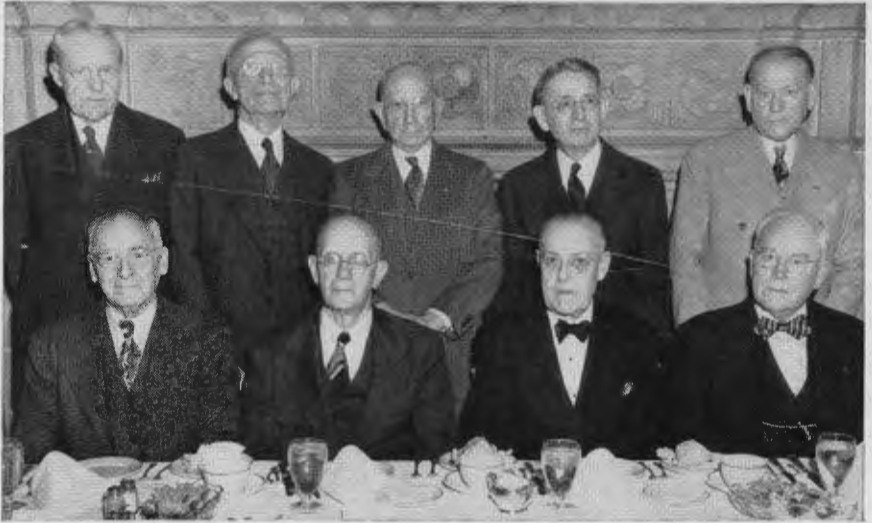
METANDREN, LINGUETS—Trade Marks Reg. U.S.Pat.Off.



MAY

OUR MEDICAL SUPREME COURT

Basking in the radiant yet mellow glow of the towering pink dome of President Noll were an imposing array of local medics who had weathered the storms of horse and buggy medical practice and remained to inspire current output of medical schools. Fifty or more years ago they began and some are still in active practice. They are their own best advertisement for longevity. Most of them have dealt with medical problems from obstetrics or



Left to right—Dr. H. E. Blott, Dr. C. R. Clark, Dr. D. R. Williams, Dr. W. D. Coy, Dr. C. D. Hauser, Dr. M. E. Hayes, Dr. A. V. Hinman, Dr. W. W. Ryall and Dr. C. H. Beight.

before to geriatrics or beyond. If you did not read "One of Them Speaks" in the March Bulletin then you missed a philosophic treat filled with quotable nuggets. Dr. Coy has shown the quality of judgment and analysis available among our seniors who continue to inspire us who travel a bit behind them.

Dr. Ondash represented the Mahoning County Medical Society in greetings and congratulations to these men who have created a pattern of medical service in the Youngstown community.

Dr. Ryall responded for the fourteen who have passed the half century of medical service here. He began by the comment that Dr. Ondash made him feel near sainthood through his flowery introduction. He then related his own early experiences in country practice in contrast to present conditions. He told how early days required not only good horses but good legs to reach the patients. He expressed thanks to the medical society for the group.

Dr. Noll, with the help of Dr. John Goldcamp, presented lapel buttons (which are due to arrive soon) to these faithful medical servants from the Mahoning County Society.

The final part of the program was the guest speaker, Harold Eide. He told of "My Alaska Adventures" in a most entertaining fashion. His childhood in Norway began a full life of adventure which in recent years has centered in gold prospecting in Alaska. He made it sound so simple to pick up gold

Latest
DAIRY PLANT
EQUIPMENT
Contributes to the
Safety, Quality
and Flavor of
ISALY DAIRY
Products



Two different types of VACREATORS, one of which is illustrated, are among the modern pieces of manufacturing equipment in daily use at Isaly's. All cream used in the making of Isaly Butter and Ice Cream flows through these Vacetators. During this process, the fat globules are brought under intense vacuum pressure and exploded. This disintegration throws off any possible impurities, foreign flavors or unnatural odors and leaves a sweet, pure wholesome cream for processing operations. Isaly's manufacturing precision is your family's protection.

Isaly's

DAIRY SPECIALISTS

nuggets up there that most of his audience will admit Yukon pruritus. His yarns were priceless, his presentation refreshing even though the truth may have been diluted. All in all from steak dinner to the close, the arrangements committee deserve the thanks of all of us—and have it.

HORACE K. GIFFEN, M. D.

GENERAL PRACTITIONER

The swift pace of medical development in recent decades has brought many victories over disease, but also has produced some troublesome problems. One good thing it has brought is a very high degree of specialization, making possible greater achievements in surgery and various types of therapy—both in research and practice. But this has led to a problem, for the over-emphasis of specialization in medicine has weakened the prestige and the position of the general practitioner.

Yet the physician engaged in general practice is the backbone of the medical profession and the basis of medical care for the average American family. And the probabilities are that we would be a healthier nation, at less cost, if the services of general practitioners were utilized more fully and specialists relied on only for cases really demanding their specialized knowledge and skills.

In recent years there has been a partial reversal of the trend. General practice is being recognized more fully and is regaining some of the prestige it lost. Evidence of this is the establishment of the Ohio Academy of General Practice, and the election of Dr. Joseph Lindner of Cincinnati as its first President.

Ohio has lagged behind in this as in so many matters, and is the 21st state to join in the movement to strengthen the general practitioners of medicine. But although tardy, the action is well worth-while. And Dr. Lindner, an energetic and far-sighted physician, has a clear perception of the problems of medical economics, as well as medical science. He will bring able leadership to the new organization.—Editorial, *The Cincinnati Enquirer*, 4-1-'48.

DR. LINCKE, CARROLLTON, TO HEAD O.S.M.A.

Dr. Carl A. Lincke, of Carrollton, will become president of the Ohio State Medical Association when the organization holds its annual meeting next spring in Columbus. The association elected Dr. Lincke to succeed Dr. A. A. Brindley of Toledo, who was installed as president for the current year. Dr. Lincke, who is aged 43, is one of the youngest men to be chosen for the association's top office. He is a 1931 graduate of Ohio State University and one of Ohio's seven delegates to the American Medical Association.

A resolution adopted at the final session of the association's house of delegates proposed that hospital administrative staffs confine their activities to business administration and leave professional operation of the institutions to physicians.

Passage of a state law which would prohibit any person in the medical profession from using the title "doctor" or "Dr." without including the type of degree for which the doctorate is claimed, was suggested in another resolution.

Give your offices that **NEW LOOK**

LYON-ize with

Modern Examining Room Furniture

Chrome and Aluminum Waiting Room Furniture

X-Ray, BMR, EKG, and Diathermy Outfits

Immediate Delivery!

LYONS PHYSICIANS SUPPLY CO.

"Since 1892"

26 Fifth Ave.

Phone 40131

• PATRONIZE OUR ADVERTISERS AND MENTION THE BULLETIN •

CROSS DRUGS

YOUNGSTOWN OWNED
AND OPERATED

6 E. Federal Street
In the Stambaugh Bldg.

1 West Federal Street
In Central Tower

Five Pharmacists to Serve You

We Invite You to Visit
Our Prescription
Departments

When A
Young Man's
Fancy
Turns to Ale
Make it
**RENNER
PREMIUM**

The strongest Ale made is Renner Premium. Better yet it has that delicate flavor found only in fine brews. Try Renner Premium Ale.

Phone 4-4467

The
Renner Brewing Co.

Youngstown, Ohio

CINCINNATI MEETING

The necessity of interesting more young doctors in entering rural practice was emphasized by Dr. Ralph L. Rutledge, Alliance, Ohio, President of the Ohio Medical Association, in his annual address before the House of Delegates of the Association. Dr. Rutledge pointed out that a survey by the association's committee on Rural Health revealed that only 14 per cent of 591 third-and-fourth-year medical students, interns and residents in Ohio's three medical schools planned to practice in rural areas. One-third of those who stated a preference for city practice gave as the primary reason the lack of facilities, including hospital, diagnostic and consultative aids in rural sections. Commenting further on the survey, Dr. Rutledge stated that a number of students felt that the medical schools were concentrating too much on training for the specialties and not enough on the general practice of medicine. In an effort to interest more doctors to enter country practice, Dr. Rutledge said the committee recommended that the attention of medical educators be directed to the revamping of the course of studies in medical schools so as to include more about the diagnosis and treatment of the common diseases and routine office practice. It recommended also that the association study the feasibility of establishing scholarships in medicine for boys from rural high schools.

Recently appointed by Governor Herbert to the Ohio Hospital Advisory Council, Dr. Rutledge stated that the Ohio Hospital Plan for the development of a coordinated and interrelated hospital system in the state gives high priority to rural areas with no existing hospital facilities. Federal grants-in-aid for the next five years totaling \$13,000,000 are available for hospital construction in Ohio, he said. Local communities will have to supply two-thirds of the cost. So far 57 communities have filed applications for Federal aid, he stated, and over \$50,000,000 has been appropriated through public donations and bond issues for local hospital construction.

In reference to the present shortage of nurses, Dr. Rutledge advocated encouragement of nurse-training schools affiliated with small hospitals in order to train more nurses for bedside care of the sick. He pointed out that the larger nursing schools had tended to center on the education of those who are to become supervisors, hospital and school administrators and industrial and public health nurses. "Is this not analogous to the position of the medical profession?" Dr. Rutledge declared. "Too many physicians want to be specialists. Too many refuse to make house calls or night calls. Someone has to do this work or the tradition of American medicine and nursing will be a memory."

Dr. Rutledge disclosed that Ohio Medical Indemnity, Inc., "The Doctors' Plan" for prepaid medical and surgical care insurance, now had a total enrollment of 345,000 persons in Ohio and was available in 82 of the 88 counties of the state. Established by the medical profession in 1946, the plan is conducted through the Blue Cross organization. "The remarkable growth of voluntary hospitalization and medical care programs throughout the country demonstrates there is no need for compulsory governmental health insurance," he said.

County medical societies were urged by Dr. Rutledge to follow the lead of the state association in the establishment of speakers' bureaus to supply speakers on medical topics for lay groups. He disclosed that the association was preparing health education exhibits for display at public gatherings. He concluded his address with a recommendation that the association present a certificate of distinction and gold pin to members who had practiced medicine for 50 years or more.

Exclusive with McKelvey's

THE CAPEHART

\$395 to \$1595

Come in and listen to the Capehart . . . the world's finest musical instrument for reproducing recorded music! They give you the best in new tonal brilliance and the finest reception from standard broadcasts to FM.

(Fourth Floor—Radios)

McKELVEY'S

• PATRONIZE OUR ADVERTISERS AND MENTION THE BULLETIN •

No SOCIAL SECURITY for the Medical Profession

The Connecticut Mutual Life Insurance Company will help you create your OWN pension. Plan guaranteed against death or disability.

LEON C. TAGGART, District Manager

11 W. Commerce Street
Office 78989

Youngstown, Ohio
Residence 23496

"Does it matter who fills the prescription?"
"Ah Doctor, does it matter who writes the prescription?"

LAERI APOTHECARY

Home Savings & Loan Bldg.—2nd Floor Telephone 79636

OHIO ACADEMY OF GENERAL PRACTICE

Dr. Joseph W. Lindner, Cincinnati, was elected first President of the Ohio Academy of General Practice following the initial organization of the group at the Cincinnati meeting which is to represent the statewide interests of the general physician. With the presentation of the state charter to Dr. Lindner by Dr. Paul Davis, Akron, Ohio, President of the American Academy of General Practice, Ohio became the 21st state to join the national movement for general physicians. Approximately 150 general practitioners in Cincinnati for the Ohio Medical Association meeting were present for the adoption of the new organization's constitution. The new group has a potential membership of 5,000 doctors in Ohio.

Others elected were Dr. E. G. Kyle, Newton Falls, Ohio, President-elect; Dr. E. A. Burgner, Akron, Ohio, Secretary; Dr. Harry W. Lehrer, Sandusky, Ohio, Treasurer; and Dr. Craig Bowman, Upper Sandusky, Ohio. Dr. P. B. Wiltberger, Columbus, Ohio; Dr. E. R. Swepston, Cincinnati; Dr. William J. Sheehan, Cleveland; Dr. Roscoe H. Snyder, Toledo, Ohio; and Dr. Howard R. Mitchell, Columbus, Ohio, members of the Board of Directors.

The objects and purposes of the new organization follow:

- (1)—To define the functions of the general physician.
- (2)—To promote and maintain high standards of the general practice of medicine and surgery.
- (3)—To encourage the establishment of sections of general physicians in active hospital staffs, including their right to vote and hold office.
- (4)—To encourage and assist young men and women preparing, qualifying and establishing themselves in general practice.
- (5)—To protect and preserve the right of the general physician to engage in medical and surgical procedures for which he is qualified by training and experience.
- (6)—To assist in providing post-graduate study courses for general physicians and to encourage and assist them in participating in such training.
- (7)—To promote fair and proper relations between hospital management and medical staff.
- (8)—To advance medical science and private and public health.

NIGHT CRAMPS IN HUMAN EXTREMITIES

Night cramps appear to result from the action of some end product of metabolism, as in diabetes, or from poor elimination of normal end products of muscle metabolism, as in patients with venous stasis due to varicose veins, pregnancy or following deep venous occlusion. Increased muscular activity favors the development of night cramps in the rest which follows such activity. No etiological or therapeutic relationship exists between intermittent claudication and muscle cramps at rest. Quinine sulfate has been found to give prompt relief of night cramps in extremities. Apparently quinine produces a refractory period in skeletal muscle that is similar to the refractory period in the heart muscle.—American Heart Journal, March 1948, Harold K. Moss and Louis G. Hermann.

Submitted by J. D. MILLER, M. D.

In Memoriam

EDWARD HENRY HAKE, M. D.

The death of Edward Henry Hake, which occurred Thursday, March 25th, at St. Elizabeth's Hospital as the result of coronary disease, removes from the local profession and this community another of its faithful members and substantial general practitioners who will be mourned by his professional associates as well as by numerous friends and patients.

Edward Hake was born in Howland Township, Trumbull County in 1873 the son of the late Eli and Almeda Clark Hake. He was a graduate of Ohio Northern University and of Hahnemann Medical School at Philadelphia. He had an internship at Cook County Hospital at Chicago and also at a Sanatorium at Warren, Pennsylvania.

He was loyal to his family, friends and associates. They will miss him and will treasure his memory as one who contributed freely to the welfare of his fellowmen.

CHAS. D. HAUSER, M. D.

WILLIAM H. ORWICK, M. D.

William H. Orwick, M. D., was born in Massillon, Ohio, February 18, 1921. He attended Massillon High School and Wooster College, majoring in chemistry and biology. He received a Bachelor of Arts degree from Wooster College in December, 1942, and the following March entered Western Reserve Medical School from which he was graduated in 1946. In May, 1945, he married Nancy Belle Giles, a graduate nurse, also of Massillon. Their son, Harry Taylor Orwick was born in Cleveland, March, 1946. Dr. Orwick interned at the Youngstown City Hospitals from April 1, 1946, to July 1, 1947, after which he entered the army as a first lieutenant in the medical corps, and was assigned to Fort Adams, Newport, Rhode Island. He remained there until the time of his death which occurred February 20, 1948, at Walter Reed Hospital, Washington, D. C., following the removal of a benign cyst from the fourth ventricle.

R. G. THOMAS, M. D.

INDECISION

When I recall how much there is in life
That must be ours; how much there is on earth
That would not be had life not given birth
To its necessity, while skill and strife
Attend our every need; how some keen knife
Must prune and fire burn; how truth and worth
Require support; how soon are joy and mirth
Dispelled as come the years with conflict rife:
I think that I shall cease to sing the songs
The stream inspires, or woodland path reveals;
And tune my voice to what alone belongs
To man, what he endures, what he conceals—
But then, I heard a clear-voiced cardinal sing;
And now, a robin welcoming the spring.

Warren Deweese Coy

THE MERCER SANITARIUM

MERCER, PENNSYLVANIA

For Nervous and Mild Mental Disorders. Located at Mercer, Pennsylvania, thirty miles from Youngstown. Farm of one hundred acres with registered, tuberculin-tested herd. Re-educational measures emphasized, especially arts and crafts and outdoor pursuits. Modern laboratory facilities. Address . . .

JOHN A. McKAY, M. D., Medical Director

• PATRONIZE OUR ADVERTISERS AND MENTION THE BULLETIN •



**“OVER--
HALF A
CENTURY”**



Dependable Prescription Druggists

WHITE'S DRUG STORES

FOUR convenient locations
to aid YOU and YOUR PATIENTS

259 W. FEDERAL
(Opp. Warner Theater)

283 E. FEDERAL
(Near Watt St.)

1648 MAHONING AVE.
(West Side, near Steel St.)

1843 HILLMAN ST.
(Cor. Warren Ave.)

Health Department Bulletin

REPORT FOR MARCH, 1948

	1948	Male	Female	1947	Male	Female
Deaths Recorded	175	93	82	218	124	94
Births Recorded	542	286	256	532	269	263

CONTAGIOUS DISEASES:

	March 1948		March 1947	
	Cases	Deaths	Cases	Deaths
Chicken Pox	181	0	243	0
Measles	760	0	2	0
Scarlet Fever	11	0	8	0
Whooping Cough	27	0	18	0
Tuberculosis	5	0	18	0
Mumps	3	0	37	0
Syphilis	41	0	0	0
Gonorrhoea	10	0	0	0
Pneumonia	0	4	0	0
Typhoid Fever	0	0	1	0
Diphtheria	0	0	0	0

VENEREAL DISEASES:

	Male	Female
New Cases		
Syphilis	4	5
Gonorrhoea	8	2
Total Patients	18	
Total visits to Clinic (patients)	482	

W. J. TIMS, M. D.

Commissioner of Health

ACUTE PANCREATITIS

It is generally agreed that acute pancreatitis is due to the action of activated pancreatic juice upon the pancreas itself. In 60-80 percent of cases of acute pancreatitis, associated pathology of the biliary tract is found which can account for the block at the papilla of Vater. The clinical picture of acute pancreatitis is not characteristic. A history of previous gall bladder attacks or of epigastric pain can be elicited in more than half the cases. The patients are often subicteric but as a rule show no distinct jaundice. The most characteristic complaints are severe pain in the epigastrium radiating to the left side and to the back. There is often vomiting without relief of symptoms. Physical findings may run the gamut of acute abdominal crises. The most significant laboratory findings are increases of serum amylase and lipase. Conservative treatment shows an impressive reduction in the operative mortality rate. The proper conservative therapy has as its aim to diminish the secretory activity of the pancreas and to relieve spasm of the sphincter of Oddi. Anything that will stimulate the vagus nerve will stimulate the pancreas; therefore, prostigmine as well as morphine or its derivatives should be excluded. In essence, the conservative therapy that may be used is nothing by mouth; continuous suction; to inhibit pancreatic secretion, ephedrine and repeated doses of atropine; Demerol is the analgesic of choice because of its atropine like action; intravenous fluids should consist mainly of saline solution and blood plasma. —H. L. Popper, M. D., *The American Journal of Digestive Diseases*, January 1948.

Submitted by J. D. MILLER, M. D.

●

Springtime is close at hand. It's the time when you want to redecorate your home or office. Strouss' Interior Decorating Service can help you with your decorating problem, whether it be one room or your whole home or office. Phone 72011 and one of the decorators will call on you at your convenience.

●

STROUSS' INTERIOR DECORATIVE SERVICE

Fourth Floor

STROUSS-HIRSHBERG'S

Youngstown, Ohio

Warren, Ohio

New Castle, Pa.

● PATRONIZE OUR ADVERTISERS AND MENTION THE BULLETIN ●

HAVE YOU A **RUPTURED** PATIENT?

Through years of experience our factory-trained fitter, Mr. H. F. Schafer, assures your patients the correct appliance and comfort needed for their individual case.

PRIVATE FITTING ROOMS

WE FIT
TRUSSES, ELASTIC HOSIERY, BRACES, PTOSIS, SACRO-
ILIAC, MATERNITY, KIDNEY, and POSTOPERATIVE BELTS

LYONS PHYSICIANS SUPPLY CO.

MANUFACTURING PHARMACISTS

26 Fifth Ave.

Phone 40131

Youngstown, Ohio

THE MEDICAL CRIER

A Page of Sidelights, News and Views in the Medical Field

If you attended Post-Graduate Day, don't read this because you know all about it. If you did not attend you should have, and reading about it won't give the true flavor of the meeting.

In the first place it rained and broke the tradition of sunny skies which we nearly always have for our big Day. In the second place there was a tri-county meeting in New Castle to give us competition. That didn't keep Lewman Popp from coming over, although he seemed rather lost without Walter Stewart to pal around with. A lot of us miss Walter. Thirty two towns were represented and the last time I looked, the attendance was well over three hundred.

It speaks well for our prestige to attract men from Cleveland and Pittsburgh. Besides that, they braved the weather to come from such out of the way places as Dover, Freeport, New Kensington, Springdale, Breckenridge, Ellwood City and Butler. Warren was well represented by Trimbur, Calvary, Carnero, Drown, Caldwell, Beers, Sorile, Gledhill, Yarow, Shapiro, Jaras and Williams. Trimbur interned here and then went into the Navy. He is just starting up now in private practice after five years on L.S.T.'s. Most anything is better than being on an L.S.T. or with the Marines on Bougainville! Beers is like a younger picture of his father who was a very handsome man and an ornament to the practice of medicine in Youngstown for so many years. McConkey from Canton was here as usual, but without his father who was always a regular attender before he passed on. Caskey was here from Mineral Ridge although he had a lot of arrangements to take care of for the Warren meeting the next day.

The exhibitors of technical equipment, supplies and appliances were out in force, too. They were crowded and could have used more space, Committee please note. You know how we operate the technical exhibit. The space is given free to regular advertisers in the Bulletin and it is a small gesture of appreciation for their generous support. Lyons of course stole the show with their large exhibit and the annex where the craft turned from labor to refreshment and many a tall tale was told. The best ones I heard were about the two who had revenge, and how to spell Bridegroom. But they can't be told here. Samples were passed out freely by Ralph White, Cassaday, Bowman, Professional Drugs, Breon, Baker's, Beil-Rempes, Lester's, Zemmer's, Cross and Endo Products. Renners didn't pass out samples but Isaly's did and their booth was very popular. Helen Mantle Foster with her radiant personality was showing the latest in things to keep one from falling apart and the Stillsons and Leon Taggart were bursting with information about insurance, personal and professional.

It was a grand meeting and lived up to our high standards. The lecture hall was well ventilated and every word of the speakers could be heard. The coordination of lighting, lantern and sound was perfect. Humphrey deserves a lot of credit although he is an expensive luxury. When all the little details of handling emergency calls, keeping slides in order, entertaining speakers and guests goes so well, one cannot help having a glow of pride in the Mahoning County Medical Society, which was the pioneer and still sets the pace in presenting Post-Graduate Days.

J. L. F.

**SUPERIOR
VITAMIN A
ABSORPTION
VIFORT^R**

Water-dispersible polyvitamin drops

Each 0.6 cc. (as marked on dropper) provides the following vitamins in a clear aqueous dispersion: A 5000 U.S.P. units, D 1200 U.S.P. units, C 60 mg., B1 1.8 mg., B2 0.4 mg., niacinamide 3 mg., B6 0.3 mg., calcium pantothenate 1.2 mg. Supplied in 15 and 30 cc. dropper bottles.

Vitamin A from Vifort is better absorbed and utilized than vitamin A from fish liver oil. Clinical superiority has been evidenced in normal children and in patients with impaired absorption.

ENDO PRODUCTS, INC.

84-40 101st St.

Richmond Hill 18, New York

FOR YOUR
Printing Needs
CALL 33112

The
Youngstown Printing
Company

787 Wick Ave.

**H. H. TREUDLEY & CO.
INC.**

123 E. COMMERCE STREET

OFFICE SUPPLIES
ACCOUNT BOOKS
STEEL AND WOOD OFFICE
FURNITURE

For prompt Service
Call 4-4479



G.P. also means
"Generally Prepared"

Dr. General Practice takes cases as they come; he must be always ready to diagnose, advise, and treat.

Breon, too, is Generally Prepared to supply Good Pharmaceuticals for the daily needs of General Practice:

Breonex-L (Soluble)—*B Complex Injection*
Breogamine—*Potent Protein Supplement*
Ferrous Gluconate—*Stabilized Oral Iron*
Doxychol-K—*Bile Acids*
Hormones—*Liver Extract*

And a long list of Modern Medicinals regularly used by Doctor General Practice.



George A. Breon & Company

KANSAS CITY, MO.

NEW YORK

ATLANTA

SAN FRANCISCO

SEATTLE

COUNCIL MEETING

The regular monthly Council Meeting of the Mahoning County Medical Society was held at the office of the Society, 125 W. Commerce St., Monday, April 12, 1948. The following doctors were present: Drs. John Noll, J. K. Herald, W. J. Tims, C. A. Gustafson, W. M. Skipp, V. L. Goodwin, J. N. McCann, G. M. McKelvey, W. H. Bunn, I. C. Smith, E. J. Reilly and C. G. Nelson, comprising a quorum of the council. Also present were Mr. A. C. Cook, Dr. C. R. Clark, Dr. J. P. Keogh, Dr. William Newcomer, Dr. A. E. Rappoport and Dr. J. A. Rogers.

Meeting was called to order at 9:00 P. M.

Mr. Cook and Dr. C. R. Clark, representing the Mahoning Chapter, American Red Cross, Dr. Keogh and Dr. Newcomer, representing the T. B. Sanitarium, Dr. J. A. Rogers representing the Youngstown Hospital Association and Dr. J. K. Herald representing the St. Elizabeth's Hospital, discussed the proposed plan to establish a blood bank under the supervision of the Red Cross. The plan contemplates volunteer service on the part of the Red Cross and they ask the Mahoning County Medical Society to act as sponsors. The plan was presented and explained by Mr. Cook and Dr. C. R. Clark.

Discussion followed.

A motion was made, seconded and duly passed to appoint a committee to study the proposed blood bank plan and work with the Red Cross Committee in working out a suitable plan and report back to council. Dr. Noll appointed the following committee: Dr. J. A. Rogers, Chairman, Dr. J. K. Herald, Dr. W. J. Tims, Dr. J. P. Keogh and Dr. William Newcomer.

The following application was acted upon favorably by council.

Charles Waltner, M. D.
Yo. Receiving Hospital
Youngstown, Ohio

Unless objection is filed in writing with the secretary within fifteen days, said applicant becomes a member of the society.

V. L. GOODWIN, M. D.,
Secretary.

CYNICAL SAM

Heroes are a satisfaction which we create. We want them so badly that we will take a small amount of truth, fertilize and water it with our imagination, present it with pride, and resent any attempt at analysis of our process or our product.

★ ★ ★

No bird alights at the bathing-place and gets at once into the water without looking around. Security is a concept unknown to it.

★ ★ ★

When an after-dinner speaker uses vulgarity to enliven his discourse, the opprobrium he has earned is his penalty for having indicated his opinion of the esthetic status of his audience.



**Your POSTNATAL
and POSTOPERATIVE
PATIENTS . . .**

They will receive prompt and sympathetic attention from our competent Camp-trained fitters whom you may depend upon to follow your instructions implicitly.

CAMP ANATOMICAL SUPPORTS also available for prenatal, pendulous abdomen, viscerop-tosis, nephrop-tosis, orthopedic conditions, hernia and mammary gland.

Authorized  *Service*

LESTER'S PRESCRIPTION PHARMACY

246 W. Federal St. Phone 32811
Next to Warner Theatre

**SAVE 15%
On All
Cash and Carry Items**

★

Blair stores are conveniently located at—Glenwood and Princeton, 4224 Market Street, 8 N. Phelps Street, Elm at Tod Lane, and Belmont at Foster.

★

BLAIR'S

Responsible Cleaners and Furriers

Lincoln Laboratories, Inc.

DECATUR, ILL.
Laboratory Park

W. J. JADOT
Representative

NEUROPARALYTIC ACCIDENTS DURING THE COURSE OF ANTI-RABIC TREATMENT

OSCAR A. TURNER, M. D.

In Mahoning County and the adjacent area there is an excessively high incidence of rabid dogs and the number of individuals exposed and requiring anti-rabic treatment is far beyond that which any organized community should have. The medical profession has pointed this out repeatedly and has suggested control measures, but in the past as in the present little effort has been expended and even less accomplished by the civil authorities to remedy the situation. It is a sad commentary upon any community when action upon such a vital matter of individual and public health is deferred to consideration of "gaming" devices. If in the obtuse thinking of those responsible the concern is over the cost, study can only impress one with the fact that the large amount of money spent in supplying the anti-rabic vaccine would more than pay for the necessary measures.

The present communication is based upon observation within the past six months of three instances of the so-called "neuroparalytic accident" incident to the use of anti-rabic vaccine. Despite its infrequency, it was felt that the serious nature of the complications deserved some comment and discussion.

Rabies is a disease primarily of animals. It is due to a filter-passing virus and may be communicated to man through a bite or a scratch. According to Russel Brain¹ the risk of contracting rabies is estimated at about 5% of individuals bitten by animals supposed to be rabid. While individuals who contract the disease almost invariably die, the use of adequate prophylactic treatment reduces the incidence to about 1.5%.

Ever since the Pasteur method of anti-rabic treatment was adopted generally, it has been known that symptoms of paralysis or involvement of the nervous system may appear during or following the course of treatment. These so-called "neuroparalytic accidents" of anti-rabic treatment generally fall into one of four clinical types:

1. Disseminated encephalitis.
2. Ascending myelitis (Landry type).
3. Transverse myelitis, usually in the lumbar or dorsal region.
4. Cranial and/or peripheral neuritis (facial nerve most often involved).

The clinical types occur with about equal frequency and with the exception of the ascending myelitis (where the death rate is about 30 per cent) the prognosis for life is good. The sequelae, however, are serious, and permanent paralysis of the lower extremities is not infrequent. Generally, the prognosis varies as to the severity and type of the disease process. In the ascending type death results from respiratory paralysis, and in transverse myelitis overwhelming sepsis from decubitus ulceration or from an ascending urinary tract infection may cause a fatal termination. The actual cause of the complication is not known but the following has been suggested:

1. Due to a modification of the original infection by the vaccine.
2. Due to the vaccine itself, being caused by some toxic substance or to a virus introduced with the vaccine.
3. Due to some other virus or toxin, stimulated into activity by the vaccine.

While the complication is infrequent, the actual incidence seems to vary in different localities. It is generally recognized that they are less frequent

**Trichonal
Antiseptic Acid
Foaming Tablets**

for
**Rapid and Sustained
Benefit
in
Trichomoniasis**

Contain: Lactoquinoline, Kaolin and
Dextrose in a foaming base.

BUFFINGTON'S INC.

Pharmaceutical Chemists

WORCESTER 8, MASSACHUSETTS

**Waiting Room Chairs
Desks and Filing
Equipment**

•

**OFFICE
FURNITURE**



JAMES & WEAVER

"Office Outfitters"

4-4427

W. Wood

• PATRONIZE OUR ADVERTISERS AND MENTION THE BULLETIN •

THORNTON'S

QUALITY LAUNDRY

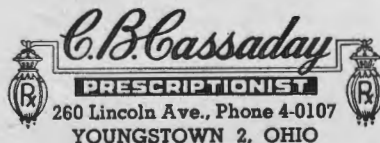
DRY CLEANING AND FUR STORAGE

234 Belmont Avenue

Telephone 40155

AMPOULES - VIALS

BIOLOGICALS



SURGICAL DRESSINGS

SICK ROOM SUPPLIES

when the carbolized vaccine is used. Brain¹ gives an incidence of 1 in 1000 to 1 in 4000 patients treated. Wilson² gives a general incidence of roughly 1 in every 2500 patients treated, but in figures collected by him from the literature the frequency varies from 0.25% to as high as 1.3%.

To some degree the clinical manifestations depend upon the type of complication. However, the incubation period is generally between 10 and 17 days after the beginning of the treatment, the more severe reactions usually appearing earlier. Prodromal symptoms such as headache and malaise and nausea may occur but the actual onset is usually indicated by fever and pain in the back and legs. Meningeal signs such as nuchal rigidity and the appearance of a positive Kernig or Bruezsinski sign may also be present in the course of the illness. The most frequent manifestations are those of paralysis of the legs, sensory loss or impairment, and urinary retention,—the latter followed by incontinence. Early in the course of spinal cord involvement, reflexes may be lost or suppressed (spinal shock), but later hyperactive deep reflexes, flexor spasm, and extensor toe responses may indicate severe cord damage. Bulbar signs, such as dysarthria and dysphagia may occur in the ascending cord type. Mild variants occur more frequently and may be manifested by little more than paresis of the legs, hypotonia, and diminished reflexes. Polyneuritis with involvement of the sciatic, median, ulnar, and other peripheral nerves or paralysis of the oculomotor, facial, vagus, and other cranial nerves have been reported.

Changes in the spinal fluid may be absent, but when present are usually mild, being manifested by some degree of pleocytosis and increase in total protein content. A mild leucocytosis is generally present.

Unfortunately, treatment is limited to supportive measures and good nursing care, there being no specific therapy known. The incidence is low but the appearance of the three cases summarized below indicates that it must be watched for in the course of anti-rabic therapy. Its prevention is ultimately a matter of protection from the necessity of anti-rabic treatment.

CASES

Case 1. The patient, a 39 year old man, was exposed to a rabid dog on September 28, 1947, but received no bite. Anti-rabic treatment was started as a prophylactic measure the day of exposure, the patient receiving the 14th injection on October 12, 1947. Other than local soreness at the site of the injections, he had no apparent reaction to the injections. The day following the last injection he developed severe aching in the upper dorsal region and in the thighs. Urinary retention occurred on the 17th day after the start of treatment and paresthesias and numbness of the left leg was evident on the 18th day. Following this he had progressive paralysis of the lower extremities.

Examination at the time of admission to the hospital disclosed a complete paraplegia with beginning spasticity and flexor withdrawal muscle spasm. Below the level of the 6th thoracic dermatome there was almost complete loss of all sensation with some irregular and patchy areas of dysesthesia. Lumbar puncture revealed clear, colorless fluid which contained 23 cells and 84 mgm.% total protein. Aside from a mild leucocytosis the laboratory studies were otherwise normal. During the course of the rather prolonged hospitalization the patient showed no significant or useful recovery of the function of the lower extremities or of the paralyzed bladder.

This patient presented a characteristic transverse myelitis with practically

**Prescription
Medicinals
for the
Medical
Profession**

Ralph Cullinan
Phone 93585

Representing

MERRELL
1828

THE WM. S. MERRELL COMPANY
CINCINNATI, U. S. A.

**We Solicit Your
Car Worries
24 Hour Service**

Safe Parking
Washing—Polishing
Lubricating
Oil Change

**CENTRAL SQUARE
GARAGE**

24 Hour Service

Wick & Commerce Phone 35167

PATRONIZE OUR ADVERTISERS AND MENTION THE BULLETIN

**BOWMAN'S
QUALITY
PHARMACEUTICALS**

We have a complete stock of
Pharmaceuticals for the
medical profession

**Surgical Instruments
Biologicals
Office Furniture**

**THE BOWMAN BROS.
DRUG COMPANY**

CANTON OHIO AKRON

Beil-Rempes Drugs, Inc.

Youngstown Owned and Operated

**31 Central Square
Tod House**

Our whole attention is devoted to
serving the medical profession and
filling out prescriptions. Hundreds
of physicians and families feel an
added confidence when they have a
prescription filled at Beil & Rempes.

They know that this assures the best
in quality and the utmost in care.

**We Invite You to Visit Our
Prescription Department**

complete destruction of the spinal cord at the level of the 6th thoracic dermatome and every indication is of a permanent and irreversible lesion.

Case 2. The patient, a 7 year old boy, was exposed to a rabid dog but received no definite bite. Prophylactic anti-rabic treatment was started on March 26, 1948, the patient receiving a total of 13 injections, the last on April 7, 1948. There was no reaction to any of the injections.

On the 11th day following the start of the treatment he had some abdominal distress, nausea, and vomiting. On the 12th day there was some lethargy and on the following day he had a sore throat, generalized weakness, and malaise. On the 14th day following the start of treatment he first developed weakness of the lower extremities which was progressive to the point of total paralysis. At the time of admission to the hospital there was a complete paraplegia and associated urinary retention.

Examination disclosed an acutely ill child with evident respiratory embarrassment due to paralysis of the lower thoracic musculature. There was considerable mucus in the throat and respiratory tract and the voice was weak and tended to fade away after a few words. Some difficulty in swallowing was evident, but this was not marked. There was a complete paralysis of both lower extremities, of the entire abdominal musculature, and of the lower thoracic intercostal muscles. The reflexes were absent but early signs of flexor spasm were evident. Motor power in the upper extremities was present and only slightly weakened. The sensory level was at the 7th and 8th cervical dermatomes with the sensory loss being marked on the right and somewhat irregular and patchy on the left. Lumbar puncture gave clear colorless fluid which contained 4 cells and a normal amount of protein. The patient's condition was critical for several days with a marked temperature elevation and respiratory distress. He improved slowly with the use of chemotherapy, an adequate supply of oxygen, and intensive nursing care. On about the 4th hospital day there was some mild improvement in the sensory disturbance and on the 6th hospital day he exhibited slight voluntary movement of the left lower extremity for the first time.

This patient had a characteristic neuroparalytic accident incident to the rabies vaccine. While essentially a transverse myelitis, the lesion showed some tendency to ascend slightly. Although some improvement is taking place, it seems likely that this child will be left with serious sequelae in the lower extremities.

Case 3. The patient, a 26 year old man, was admitted to the hospital on April 10, 1948, about 8 days after receiving a bite on the dorsum of the right hand from a stray dog. Anti-rabic treatment was started on the following day. On the 8th day following the start of the treatment he had sudden onset of headache, weakness, and vomiting. The next morning there was abdominal pain and rigidity with urinary retention. The day prior to hospitalization he developed numbness of the legs associated with some motor weakness. The urinary retention persisted as did the headache.

The patient was seen two days after hospitalization. He appeared to be acutely ill. There was a moderate degree of nuchal rigidity. The patient had definite weakness of both lower extremities although considerable voluntary motor function was retained. Motor function in the upper extremities was intact. The deep reflexes were present and equal, but the Babinski sign was present bi-laterally. A definite sensory loss was present for pain below the 6th thoracic dermatome.

Dependable Disability Insurance Underwriters

Lloyd T. Stillson & Associates

GENERAL AGENT

LAMAR K. DONAHAY, Agency Manager
1304-5 Central Tower Youngstown, Ohio
Telephone 7-4172

— ASSOCIATES —

RANDALL L. CALHOUN
JAMES A. COZZA
OSCAR F. GAYTON
E. J. GILRONAN
ROY L. HARTZELL
EDWARD R. HEINZMAN
NORMAN W. IGO
HARRY D. L. JOHNSTON
HENRY J. KANNENSOHN

LEO H. LESS
THOMAS McDONAGH
P. E. MANSELL
DONALD L. SICAFUSE
WILLIAM P. SULLIVAN
E. M. TANNER
INNOCENZO VAGNOZZI
JOSEPH P. VAN NEST
FRANCIS P. WHITE

• PATRONIZE OUR ADVERTISERS AND MENTION THE BULLETIN •

Professional Pharmacy

418 Dollar Bank Bldg.—4th Floor

Telephones — 37334 - 34127

3634 Market St.

Phone 24805

•

**Our service is limited to PRESCRIPTIONS, BIOLOGICALS,
AMPOULES and MEDICAL SUPPLIES.**

**Prompt attention and immediate delivery will be made on all
phone orders either to your office or to your patient's home.**

Store Hours—Daily 8 A. M. to 6 P. M.

OPEN—Monday, Wednesday and Friday Evenings

The patient was treated symptomatically and on about the 4th hospital day showed evidence of improvement, particularly in muscle function. On the 5th hospital day motor function was about normal on testing, but the sensory level at D-6 dermatome was still evident on testing. Bladder function had not yet fully returned.

This patient had a characteristic transverse myelitis at the level of the 6th thoracic dermatome, moderate in severity and apparently reversible. Complete recovery is to be expected. It is characteristic of the reversible lesions that evidence of recovery is to be found fairly early in the course of the illness.

That rabies can be completely eliminated through the enforcement of strict measures is evident from the experience in England. Wilson² states that following 1900 no deaths were reported from rabies until the war, at which time it was re-introduced through smuggling of dogs into the country by aircraft. Its recognition and strict preventative measures quickly remedied the condition. Thus, the prevention and even elimination of rabies becomes essentially a matter of proper legislation and strict enforcement. Such measures as the required licensing of all dogs, compulsory anti-rabic vaccination as a prerequisite to obtaining a license and the proper collection and disposition of all stray and unclaimed dogs would do much to eliminate the disease. Like smallpox, diphtheria, and many other diseases, the means of prevention and elimination are known, but the application of these measures is prevented only through the desultory action and poor cooperation of the lay public and civil authorities alike.

REFERENCES

1. Brain, Russel: Diseases of the Nervous System. New York, 1947, Oxford University Press, p. 464.
2. Wilson, S. A. Kinnier: Neurology. London, Edward Arnold & Co., 1940. Vol. I, p. 665.

Doctors J. P. Harvey, L. K. Reed and John Noll attended the American College of Physicians meeting at San Francisco, Cal., the latter part of April.

UNCLE DUDLEY

One of the distinct aspects of life is its heterogeneity. At the moment of death, the trend in the various tissues is toward chemical homogeneity. In a similar way, a progressive civilization is dependent on psychic heterogeneity; and when this is no longer present, decay has already begun.



Conscience is consciousness aware of possibilities, duties, implications and consequences.



Education wouldn't be such a long and indefinite process if learning consisted in the addition of knowledge to what one had before; but each increment doesn't stay added. It has a propensity of sinking down into and diffusing itself through all that had been accumulated before, until it becomes an indistinguishable mass of unknown origin and impossible interpretation.

ANNUAL MEETING**Election of Officers**

Tuesday, June 29—7:00 P. M.

YOUNGSTOWN COUNTRY CLUB*Dinner on the House***THE MEDICAL-DENTAL BUREAU, INC.****JAMES A. McPHERSON**

Presenting

E. R. SQUIBB & SONS**"A Name You Can Trust"**

• PATRONIZE OUR ADVERTISERS AND MENTION THE BULLETIN •

SPENCER INDIVIDUALLY SUPPORTS
DESIGNED**FOR ABDOMEN, BACK AND BREASTS**

Doctors Prescriptions accurately filled at Spencer Support Shop

Helen Mantle Foster

605 Mahoning Bank Bldg.

Phone 70604

Lozenges
SULFATHIAZOLE 2-1/2 GR.
ZEMMER

Sulfathiazole	2-1/2 gr.
Benzocaine	1/10 gr.
Oil Wintergreen	q. s.

An effective, pleasant tasting lozenge for the relief of mouth and throat infections. The suggested dosage is one lozenge to be dissolved slowly in the mouth every two hours between meals.

Supplied in bottles of 100, 500 and 1000.

THE ZEMMER COMPANY
Chemists to the Medical Profession
PITTSBURGH 13, PA.

OVERLOOK SANITARIUM

New Wilmington, Pa.

A beautifully located sanitarium, just fifteen miles from Youngstown, especially equipped for the care of psychoneurosis. Mental cases and alcoholics not admitted.

RE-EDUCATION METHODS

REST CURE

PSYCHOTHERAPY

HYDROTHERAPY

Elizabeth McLaughry, M. D.

Elizabeth Veach, M. D.

• PATRONIZE OUR ADVERTISERS AND MENTION THE BULLETIN •

The Lincoln Avenue Alcoholic Clinic

145 LINCOLN AVENUE

Owned and Operated by

**The Youngstown Committee for
Education on Alcoholism**

A Non-Profit Corporation

Phone 32693

BACKGROUND

The use of cow's milk, water and carbohydrate mixtures represents the one system of

infant feeding that consistently, for over three decades, has received universal pediatric



recognition. No carbohydrate employed in this system of infant feeding enjoys so rich and enduring a background of authoritative clinical experience as Dextri-Maltose.