

Volume XIII

FORT WORTH, TEXAS, APRIL, 1957

Number 12

ANNUAL CONVENTION — HILTON (PLAZA) HOTEL April 29 — May 4, 1957 • San Antonio, Texas



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# EDITORIAL PAGE

Annual Convention Texas Association of Osteopathic Physicians and Surgeons

Hilton (Plaza) Hotel — San Antonio, Texas May 2, 3, 4, 1957

COME, SEE, HEAR, and LEARN from these distinguished speakers:



HAROLD L. BRUNER, D.O. Philadelphia, Pa.



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ROBERT K. SCHIEFER, D.O. San Diego, California

ROBERT D. McCULLOUGH, D.O. Tulsa, Oklahoma President, American Osteopathic Association



JOSEPH T. ROGERS, D.O. Wyandotte, Michigan



# Texas Association of Osteopathic Physicians and Surgeons ANNUAL CONVENTION

Hilton (Plaza) Hotel — San Antonio, Texas April 29 — May 4, 1957

Program

**BUSINESS SESSIONS** 

	Monday, April 29	
8:00 A.M	-Board of Trustees, Parlor C-15th Floor	John L. Witt, D.O.
(.20 7.20 D		President, T.A.O.P.&S
0:30-7:30 P.		Walnut Room
0.00 4.14	Tuesday, April 30	II I WIN DO
8:00 A.M		John L. Witt, D.O.
0.00 4.14	Wednesday, May I	C D L D O C L
9:00 A.M		C. Rahm, D.O., Speaker
0.00 4.14	Saturday, May 4	
8:00 A.M.—	-New Board of Trustees, Parlor C-15th Floor	New President to Preside
	GENERAL SESSIONS	
	Thursday, May 2	
	Exhibits — Ballroom (Foyer)	
	Program — Ballroom	
	Registration	
8:00-9:55 A	.M.—Meeting of Specialty Societies	D 16
	RadiologySurgery	Breakfast 9:00 A.M.
	Pediatrics	
	Obstetrics and Gynecology	Parlor D-15th Floor
	General Practitioners (All Registrants Are Urged to Attend a Meeting	Ballroom
10.00 A M	(All Registrants Are Urged to Attend a Meeting	g of Their Choice)
10.00  A.M.	-Auxiliary Coffee Noon—Symposium: Use and Abuse of The Adrenal St	eroids Ballroom
	Moderator: Harold L. Bruner, D.O., H	Philadelphia, Pennsylvania
	Panel: The Derivation and Clinical Metabolic Effects	of the
	Adrenal Steroids Max Stettr The Use and Abuse of the Adrenal Steroids in	ner, D.O., Lubbock, Texas
	Allergy	
	The Use and Abuse of the Adrenal Steroids i	n
	Dermatology Anthony E. Scardino, D.	
	The Use and Abuse of the Adrenal Steroids i Hematology and Collagenous Diseases	
	Trematology and Conagenous Diseases	Fort Worth, Texas
	The Use and Abuse of the Adrenal Steroids i	n
	Rheumatic Diseases Lester T. Car	nnon, D.O., Dallas, Texas
12:00 Noon-	-Luncheon (Doctors, Auxiliary, and Guests) Welcome	Roof Garden
	Guest Speaker W. St. John G	arwood Associate Justice.
		Supreme Court of Texas
2:00-2:45 P.	M.	Ballroom
	The Dermatologic Manifestations of Systemic Diseases Anthony F. Scarding, D.G.	- Kansas City Missouri
2:45 P.M	Diseases Anthony E. Scardino, D.C.	
3:00-5:00 P.	M Symposium: Arteriosclerotic Vascular Disease	Ballroom
	Moderator: Robert K. Schiefer, D.	O., San Diego, California
	Panel: Arteriosclerotic Heart Disease	Robert K. Schiefer, D.O., San Diego, California

Arteriosclerotic Cerebrovascular Disease Joseph F. De Petris, D.O., Dallas, Texas Arteriosclerosis Obliterans..... Joseph T. Rogers, D.O., Wyandotte, Michigan Arteriosclerosis Obliterans, Its Surgical .... George F. Pease, D.O., Fort Worth, Texas Repair .... The Use of Angiography in the Diagnosis of Arteriosclerotic Vascular Disease Charles L. Curry, D.O., Fort Worth, Texas 5:00 P.M .- Visit the Exhibits 6:30-7:30 P.M.-Cocktail Party-For Registrants ..... La Villita (Courtesy of Baker Laboratories) Friday, May 3 8:30 A.M.-Visit the Exhibits 9:00-11:00 A.M .- Symposium: Diseases of the Thyroid ..... Ballroom Robert K. Schiefer, D.O., San Diego, California Moderator: . Panel: The Histopathology of Thyroid Disease and Hypothyroidism, and Medical Management... Robert K. Schiefer, D.O., San Diego, California Psychiatric Aberration in Hyperthyroidism and Myxedema ....Ralph I. McRae, D.O., Dallas, Texas The Surgical Management of Diseases of the Thyroid Victor H. Zima, D.O., Houston, Texas 11:15-12:00 Noon-Robert D. McCullough, D.O., Tulsa, Oklahoma .... ..... Ballroom President, American Osteopathic Association ...Walnut Room 2:00-2:45 P.M. Ballroom Recent Trends in The Diagnosis and Treatment of 2:45 P.M.-Visit the Exhibits Ballroom 3:00-5:00 P.M .- Symposium: Diseases of the Esophagus Joseph T. Rogers, D.O., Wyandotte, Michigan Moderator: Panel: Pathology of Diseases of the George E. Miller, D.O., Dallas, Texas Esophagus Clinical Manifestations and Treatment in Diseases of the Esophagus William A. Thomas, D.O., Houston, Texas Esophagoscopic Diagnosis of Diseases of the Esophagus ........ Joseph T. Rogers, D.O., Wyandotte, Michigan Radiographic Diagnosis of Diseases of the Esophagus Malcolm E. Snell, D.O., Dallas, Texas Surgical Management of Diseases of the Esophagus J. Natcher Stewart, D.O., Dallas, Texas 5:00 P.M .- Visit the Exhibits ...Walnut Room 7:00-8:00 P.M .- President's Reception. (Doctors, Auxiliary, and Guests) Roof Garden 8:00 P.M.-President's Banquet. (Doctors, Auxiliary, and Guests) Saturday, May 4 8:30 A.M .- Visit the Exhibits

10:00-12:00 Noon-Symposium: Diseases of the Eye Ballroom Moderator: Ralph M. Connell, D.O., Dallas, Texas Panel: Ophthalmoscopic Examination of the Fundus. John C. Baker, D.O., Fort Worth, Texas Diagnosis and Treatment of the Common Diseases and Injury of the Eye W. H. Van DeGrift, D.O., Dallas, Texas

Diagnosis and Treatment of Cataract and Glaucoma Ralph M, Connell, D.O., Dallas, Texas

Diagnosis and Treatment of Squint Harold A. Beckwith, D.O., San Antonio, Texas

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# SPECIALTY SOCIETY MEETINGS Hilton (Plaza) Hotel — San Antonio, Texas Thursday, May 2, 1957

Texas Osteopathic Obstetrical and Gynecological Society Parlor D, 15th Floor	8:00-10:00	A.M.
Texas Osteopathic Radiological Society Breakfast	9:00	A.M.
Texas Osteopathic Surgical Society Parlor B, 15th Floor	8:00-10:00	A.M.
Southwestern Society of Osteopathic Pediatricians Parlor E, 15th Floor	8:00-10:00	A.M.
Texas Society of General Practitioners in Osteopathic Medicine and Surgery Ballroom-Lobby		A.M.

# AUXILIARY PROGRAM FOR ANNUAL CONVENTION Hilton (Plaza) Hotel — San Antonio, Texas May 2, 3, 4, 1957

#### Thursday, May 2

10:00	A.M.—Informal Coffee	Walnut Room
12:00	Noon—Luncheon (With the Doctors)	
8:00	P.M.—Fun Night at La Villita (Wear skirts and blouses. This is an informal part	tv)

#### Friday, May 3

12:00 Noon—Installation Luncheon	Walnut	Room
A Book Review "The Heart Has Its Reasons"		
7:00-8:00 P.M.—President's Reception	Walnut	Room
8:00 P.M.—President's Banquet	Roof G	Farden

All activities will be in the Hilton Plaza Hotel with the exception of Fun Night, Thursday, May 2 at La Villita.

# Jexas Osteopathic Physicians' Journal

 OFFICIAL PUBLICATION OF THE

 TEXAS ASSOCIATION OF OSTEOPATHIC PHYSICIANS AND SURGEONS

 PUBLICATION OFFICE: 512 BAILEY STREET, FORT WORTH 7, TEXAS

 EDITOR - - PHIL R. RUSSELL, D. O.

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 VOL. XIII
 FORT WORTH, TEXAS, APRIL, 1957
 NUMBER 12

#### Treatment of Sinusitis With Staphylococcus Bacteriophage Lysate\* Aerosol Therapy

JOHN W. DREW, D.O., Dallas, Texas

Chronic sinusitis is one of the commonest conditions confronting the physician<sup>1</sup>. Results with conventional therapy have been generally unsatisfactory. Harsh local treatments irritate the nasal mucosa and destroy ciliary action. Antibiotics allow the emergence of resistant strains that may cause serious effect. By upsetting the normal symbiotic relationships, non-pathogenic bacteria sometimes become virulent and yeast and fungi may become a menace.

Coagulase-positive staphylococci (micrococcus var. aureus) is almost invariably associated with chronic sinus infection<sup>2</sup>. More than any other organism, the staphylococci readily develops antibiotic-resistance.

The normal nasal mucosa harbors a mixed flora of pathogenic and non-pathogenic bacteria<sup>3</sup>. Normal antibody resistance, the ciliary action of the mucosal lining, the slight acidity of the secretions, and the lysozyme present in mucous, all continue to render the pathogenic bacteria in the nasal cavity harmless. However, when normal resistance is lowered by a viral infection, exhaustion, excessive smoking, shock, old age, and conditions of stress, pathogenic increase and invasion of the tissues takes place. Staphylococcus is the commonest pathogen isolated from the nose. Welch<sup>4</sup> states "the organism is ubiquitous and probably is the cause of more infections in man (not excluding the common cold) than any other known microorganism."

It has been noted when staphylococcal disease is treated with SBL that many concomitant symptoms or conditions are benefited. These are caused by staphylococcal infection elsewhere in the body or due to sensitivity to the staphylococci or its metabolic products. Staphylococcal infections of the skin and diseases influenced directly by staphylococcal infection, often clear up suddenly. Rheumatoid arthritis is frequently ameloriated. This may be either due to a specific desensitization to staphylococcal toxin or to a non-specific effect due to stimulation of the pituitary-adrenal system by the SBL.

Knight and Collins<sup>5</sup> advance several reasons to explain the high mortality of staphylococcal infection. Important among them is the fact that the disease very often occurs in patients with diabetes, arteriosclerosis, neoplastic disease, or other debilitating illnesses. Second, if the disease is not checked early in its course, metastatic abscesses may form which are difficult to locate or are so widely distributed that they are impossible to treat effectively. By controlling

\*Staphylococcus Bacteriophage Lysate will be known as SBL throughout this paper. April, 1957 Page 5 the secondary staphylococcal infection and toxemia with SBL therapy, patients with debilitating diseases have benefited remarkably.

The staphylococci produce a spreading factor of hyaluronidase<sup>6</sup>: This increases the permeability of the connecting tissues and facilitates the spread of the staphylococci and other complicating organisms.

SBL is a whole culture vaccine which stimulates resistance to the staphylococci and brings about a desensitization to bacterial proteins, a very important factor in chronic infection.

SBL administered by nasal aerosol offers a new form of treatment based upon physiological principles of immunity. A majority of the virulent staphylococci are lysed in the main reservoirs of these pathogens, the anterior part of the nasal cavity. More important, through its potent vaccine action on absorption by the nasal mucous membranes, resistance to the staphylococci is enhanced and desensitization to their bacterial toxins takes place.

SBL is prepared from cultures of virulent staphylococcus aureus of human origin. The host cells possess all the attributes of the present-day resistant micrococci; they are coagulase-positive, produce alpha and beta hemolysins, polysaccharides, and penicillinase. The organisms are grown in broth, and when there is an optimal growth, it is lysed by adding staphylococcus bacteriophage. The bacteriophage is type-specific, nonpathogenic to man and is composed of bacterial viruses, requiring a specific host cell in which to multiply. When lysis is complete, the resulting solution is sterilized by filtration. The SBL possess all the requirements for sterility and absence of toxicity as established by governmental tests. To insure viability of the bacteriophage lysate and to preserve its antigenic properties, no preservative is added. The product should be kept under refrigeration. The potency is maintained for at least six months. The final product contains bac-Page 6

teriophage particles (10,000 million per cc.), and the end products of the lysed staphylococci in a medium of broth and normal saline solution.

#### Administration and Dosage

For the treatment of sinusitis and other respiratory infections, the SBL is administered as an intranasal aerosol. Nebulization is formed by releasing compressed air or oxygen into a Vaponefrin nebulizer and delivered into the nares through a Y tube with glass nasal tips. In the average case, therapy is started by giving .25 cc. of SBL Alpha 1 A. The dosage is increased by .25 cc. at one to three day intervals, until a maintenance dose of 1 cc. is reached.

In from six to eight hours following the first few treatments, the patient may experience a vaccine-type reaction, due to local lysis of staphylococci with a release of toxins. The patient should be told that he may have a short episode of malaise, headache, or mild chills and Symptoms can be controlled fever. nce readily by salycilates. These reactions can be avoided if the first few treatments are small and the increase in dosage is cautious. No aerosol treatment should be given until any symptoms from the previous treatment have completelyy subsided. It should be emphasized to the patient that the reactions are harmless, and are evidence of a good therapeutic response.

SBL aerosol treatments should be continued not only until all symptoms and signs disappear, but until a high degree of immunity is produced in the patient. The average patient requires from ten to twenty treatments given over a period of time; a "booster" treatment is recommended every 2 weeks to a month to maintain resistance.

#### Clinical Observations

SBL therapy was administered to 48 patients who had staphylococcal infections which were resistant to other modes of therapy. The oldest was 68; the youngest was 5; the average age was 38. There were 16 females and 32 males. The number of treatments varied from 3 to 46 per patient. An average of 12 were given.

The results were rated as follows: Excellent—54%; Good—22%; Fair—20%; and Poor—4%.

The folowing clinilcal summaries are typical of the patients treated:

Cases No. 1: C. L., a six year old girl whose complaints were fatigue, lack of appetite, stuffiness of nose, and post nasal drainage. She complained of frequent colds, and frequent attacks of nasal obstruction particularly at night.

Examination revealed bluish congested turbinates, heavy mucous discharge from the posterior pharynx. The child was frail and underweight. Blood count showed a mild anemia.

SBL aerosol therapy was given three times weekly for two weeks, then once weekly for a total of twelve treatments.

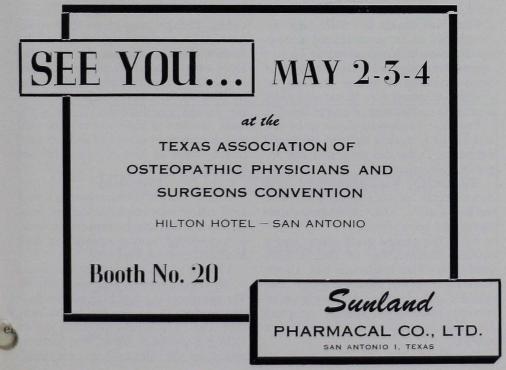
The results in this case were excellent. The nose became clear, all nasal congestion disappeared. The post nasal drainage cleared up completely. The child's appetite improved and she has not had a cold since therapy was stopped six months ago.

Case No. 2: Mr. J. D., male, age 43, complained of headache with chronic cough, very productive particularly on arising. It frequently caused vomitting. Frequent frontal headaches and sore throats.

Examination of nose showed yellow discharge from under turbinates. The mucous membranes were engorged and angry in appearance. The posterior pharynx was reddened and had evidence of severe post nasal drainage.

SBL aerosol therapy was administered three times weekly for three weeks, then once weekly until sixteen treatments had been given.

The condition improved rapidly. The sore throat and headaches have not recurred in over eight months. The cough has improved considerably and post nasal drainage has almost completely disappeared. He has some post nasal drain-



age following excessive smoking, but feels no malaise.

Case No. 3: W. L., female, age 12, whose chief complaint was frequent attacks of asthma. She had previously received an allergic evaluation and had received desensitizing therapy without improvement. There was no hereditary factor uncovered by history, and the child seemed sound emotionally.

Physical examination was essentially negative except for asthmatic wheezes in lungs and for bluish hue of turbinates and congestion of nasal mucous membrane. Blood count showed slight anemia. Sosinophile count was normal.

SBL therapy was given three times weekly until twenty-five treatments had been given. The asthmatic attacks became less frequent and less severe and when therapy was completed the child was apparently well. She was free of attacks for six months when the attacks recurred. Treatment was begun again and the child improved rapidly. She has had only occasional light attacks during the past year. These have been precipitated by colds.

Case No. 4: H. D., male, age 41, complained of frequent frontal and occipital headache most commonly on arising; severe cough with expectoration of large amounts of yellow mucous on arising; continued sore throat and stuffy nose; wife complained of severe snoring.

Examination showed throat to be raw and irritated, marked signs of post nasal drainage. Turbinates congested and angry in appearance.

SBL therapy was administered three times weekly for four weeks then twice weekly until a total of twenty treatments had been given.

After the second week there was a marked improvement in the patient's condition. The headaches had almost vanished and the morning cough had subsided considerably. At completion of therapy patient was almost symptom free. His wife stated that he no longer snored.

Case No. 5: Mrs. W. W., female, age Page 8 44, complained of frequent colds and sore throat. She had tried cold "shots" which failed to help. Also had received extensive antibiotic therapy without avail. Immune globulin had also failed to improve her condition.

Examination showed a healthy appearing female. Only abnormal findings were congested mucous membranes of nose and throat. There was very little evidence of post nasal drainage.

SBL therapy was given for a total of nine treatments. Patient has not had a cold in the past two years and feels better than she has in many years.

Case No. 6: S. H., female, age 52, whose chief complaint was chronic cough with expectoration of large amounts of thick yellowish green sputum. Condition had been present for many years.

Examination showed a thin, ill nourished female who had been suffering from bronchiectasis for about twenty years. She had received extensive antibiotic therapy, used postural drainage and steam inhalations over a period of years.

SBL therapy was given three times weekly for a period of twelve weeks. Patient experienced considerable relief from cough and character of expectorated mucous became clear. She felt better than she had in years. Six weeks after therapy was discontinued the symptoms recurred to some extent. She then took treatments weekly and showed good improvement as long as she continued therapy.

#### Discussion

In SBL aerosol therapy there is a twofold action: the staphylococci are lysed on contact and the bacteriophage lysate is a powerful vaccine stimulating both local and general immunity.

Larkum<sup>7</sup>, <sup>8</sup> has pointed out that lysing an organism produces a superior vaccine. The filtrate of the lysed organisms cause the production of specific neutralizing antibodies, which help overcome the invading organisms. Also, the bacteriophage in the filtrate lyses susceptible

organisms and renders them more liable to phagocytosis.

Most sinusitis as well as many other diseases have allergy as a background. Swineford and Holman<sup>9</sup> reporting on a large series of skin reactions to the polysaccharide and neucleoprotein fractions of 14 different bacteria found that skin tests for bacterial allergy gave both immediate and delayed reaction types. The larger number and the higher percentage of the immediate reactions were elicited by the polysaccharides of staphylococcus aureus. Delayed or tuberculin-type reactions also were frequently induced by the nucleoproteins or the same compoism. The SBL contain all the components of the lysed staphylococci including polysaccharides and other specific haptens. These components may bring about desensitization of the patient to the staphylococci and its products. Vaccine therapy seems to be the most effecla tive weapon, both for desensitizing and producing an immunologic response<sup>10</sup>.

The nasal mucous membrane is a superior absorptive surface<sup>11</sup>. Vaccines, hormones, and drugs are readily absorbed by this route. Pertussin has been given by nasal tampon for years. Walsh and Cannon<sup>12</sup> have shown that intranasal administration is second only to the intravenous route for speed of absorption. It is generally agreed that the ideal conditions for tissue immunity are those in which there are not only sufficient protective antibodies, but also an accumulation of phagocytes in the tissue to be guarded. SBL is readily absorbed by the nasal route as attested by the excellent clinical results reported in this paper.

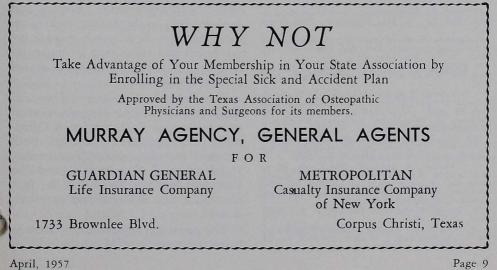
Chemotherapeutics and antibiotics have profoundly modified the protective mechanisms of the body13. They limit specific immunization reaction because of their bacteriostatic and bacteriocidal action upon susceptible organisms. The body does not build up natural defenses and there is an artificial recovery instead of a natural one.

SBL by concentrating on the host builds up natural immunity against the dread staphylococci — something that antibiotics do not and cannot do.

#### Summary and Conclusions

Coagulase positive staphylococci are almost invariably associated with chronic sinus infection. The widespread emergence of antibiotic-resistant staphylococci has posed a serious and growing medical problem.

The preparation, administration and dosage are outlined. The aerosol is given by standard intranasal technique under



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a pressure of five to six liters of air or oxygen per minute, thereby reaching all the available surfaces of the nasal mucosa.

SBL is antigenic. The lysate is a superior vaccine and mucous membrane absorption provides potent local and general immunity. The nasal mucosa is a superior and safe route to administer vaccines.

SBL causes desensitization to the staphylococci and its metabolic products. Cell products as a result of bacteriophage lysis act as haptens and bring about desensitization.

SBL aerosol therapy is stressed as a rational approach to the treatment of antibiotic-resistant staphylococcal respiratory infections.

The results of 48 cases reported were: Excellent, 54%; Good, 22%; Fair, 20%; and Poor, 4%.

#### REFERENCES

REFERENCES 1. Mills, A. E.: Staphylococcus bacteriophage ly-sate aerosol therapy of sinusitis. The Laryngoscope, 66:846-858, No. 7, July 1956. 2. Woodward, F. D.: The staphylococcus in rela-tion to sinusitis, bronchitis, bronchicetasis. Arch. Otolaryngol., 24:753-757, Dec. 1936. 3. Hollender, A. R.: Nasal sinusitis: clarification of certain problems of general interest. J. Fla. Med. Asso., 35:691-695, May 1949. 4. Welch, H.: Principles and practice of anti-biotic therapy. N. Y. Med. Encyc., Inc. 1954, p. 50. 5. Knight, V. and Collins, Harvey, S.: A current view on the problem of drug resistant staphylococci and staphylococcal infection. Bulle. of N. Y. Acad. of Med., 31:549-568, No. 8, August 1955. 6. Blair, J.: Bacterial and mycotic infections in

6. Blair, J.: Bacterial and mycotic infections in man, 2nd Ed., p. 364, Lippincott, Philadelphia 1952.

Larkum, N. W.: Relationship of bacteriophage to toxin and antitoxin. Proc. Soc. Exper. Biol. and Med., 30:1395-1397, June 1933.
 Larkum, N. W.: Bacteriophage in clinical medicine. J. Lab. & Clin. Med., 17:675-680, April 1922

1932.

9. Swineford, O., Jr., and Holman, J.: Studies in bacterial allergy; III, results of 3860 cutaneous tests with 34 crude polysaccharide and nucleoprotein fractions of 14 different bacteria. J. Allergy, 20:420-427, No. 1949.

20:420-427, No. 1949.
10. Blatt, H.: A review of the allergic response to microbes. Quarterly Review of Allergy & Applied Immun., 10:496-529, No. 4, Dec. 1956.
11. Tonndorf, J., Hyde, R. W., Chinn, H. I., and Lett, J. E.: Absorption from nasal mucous membrane: systemic effect of hyoscine following intranasal administration. Ann. Otol., Rhinol. and Laryngol., 62:630-641, Sept. 1953.
12. Walsh, T. E., and Cannon, P. R.: Arch. Otol., 29:704, 1938.
13. Mills, A. E.: Whither "Captain Staphylococ-cus"? The New Eng. J. of Med., 255:1162, No. 24, Dec. 13, 1956.

#### **Executive Secretary** Visits District 11

The Executive Secretary made a hurried trip to District 11 primarily because of the newly established Vowell Hospital which was having difficulty in collecting insurance claims because it had not been passed upon by the Insurance Committee nor registered with the American Osteopathic Association.

The Executive Secretary decided to make this a three-day visitation trip from a public relations stand-point, confining his activity entirely to missionary work among the members and non-members in the district. In his opinion, it proved to be an enlightening and constructive type of program.

Your Executive Secretary left Fort Worth on the evening of March 27 and arrived in El Paso at midnight where he was met by Dr. M. G. Holcomb. Dr. Holcomb had arranged to put the Executive Secretary in a lovely room and also furnished him a Cadillac for his entire visitation in the district. Dr. Holcomb did this at his own expense, which was indeed beyond the call of duty.

The Executive Secretary started out early Thursday morning, March 28, and by noon on Saturday, March 30, he had visited with every D.O. (member and non-member) in the district, picking up their reactions in reference to your organization and attempting to impart information to them, personally, in regard to the Association.

The Executive Secretary did not indulge in any planned program whatsoever other than contacting each Osteopathic Physician in the district. Both members and non-members seemed very appreciative of this contact, and the Executive Secretary feels it is the type of contact that will possibly pay dividends.

The Executive Secretary returned home the evening of March 30.

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#### Guest Speaker at Annual Convention Luncheon



JUSTICE W. ST. JOHN GARWOOD Associate Justice of the Supreme Court of Texas

Justice W. St. John Garwood was graduated from Harvard Law School in 1922.

Following discharge from military service in World War I he attended the University of Texas Law School.

Justice Garwood practiced law in New York City following his graduation from Harvard, then returned to practice with his father's firm, Baker, Botts, Parker & Garwood, Houston, for four years, specializing in trial work.

He had a predilection for the Spanish language and in 1929 accepted the post of resident American attorney at Buenos Aires, Argentina, for an American oil company, serving some five years and returned to Houston on account of the health of one of his children. He then became a member of the Houston law firm, Andrew, Kelly, Kurth and Campbell.

In 1942, Justice Garwood was commissioned a lieutenant in the U.S. Naval Reserve and sent to Tocopilla, Chile, as U. S. Naval liaison officer, later transferred to Santigo, Chile, as Senior Assistant Naval Attache. Two years later he was transferred to the Navy Department at Washington, where he acted as officer

in charge of naval intelligence in Latin Amercia until released from active duty in 1945 with the rank of Lieutenant Commander.

They have two sons, St. John Garwood, Jr., practicing attorney with the firm of Fulbright, Crooker, Freeman, Bates & Jaworski, and W. L. Garwood, now serving as First Lieutenant in the Judge Advocate's Department of the Army in Washington, D. C.; also two grandsons, Hiram Morgan Garwood and William L. Garwood, Jr.

Aside from military service in both world wars, he has always been active in civic affairs, having served as an officer of the Texas National Guard, Vice President of the Houston Chamber of Commerce, President of the Houston Foreign Trade Association, Vice Chairman of the Civil Service Commission of the City of Houston, and Honorary Consul of the pre-1940 Republic of Poland for Texas. He has also served as trustee of various schools and charitable institutions. Justice and Mrs. Garwood played a prominent part in the founding of the new St. John's School at Houston, which is affiliated with the Episcopal Church of St. John the Divine. Judge Garwood has also served as member of the Board of Trustees of St. Stephen's Episcopal School and is an Honorary Member of Law Faculty of University of Houston.

# EXCELLENT CLINIC LOCATION

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April, 1957

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#### Report of Child Health Clinic and Conference

Four hundred and fifteen children were examined at the Fifth Child Health Clinic and Conference held March 22-24 at Hotel Texas in Fort Worth. Approximately one third of the children were entirely normal. Among the conditions which were met in the remaining children were: allergic manisfestations, developmental abnormalities, ear, nose and throat problems, and behavior difficulties.

Dr. Nelson D. King of Kirksville College of Osteopathy and Surgery served as pediatric coordinator. He was assisted by the following: Dr. Robert Moore, Mesquite; Dr. Patrick D. Philben, Dallas; Dr. Richard B. Helfrey, Dallas; and Dr. James E. Galliher, Grand Prairie. Ear, nose and throat consultant was Dr. R. H. Peterson of Wichita Falls, assisted by Dr. Ralph Connell, Dr. E. C. Brann, and Dr. W. H. Van deGrift, all of Dallas. Neuro-Psycliatric consultant was Dr. Ralph I. McRae of Dallas. Protological consultant was Dr. Marille Sparks, Dallas.

On Sunday the Texas Society of Gencral Practitioners in Osteopathic Medicine and Surgery held their annual pediatric refresher course. Dr. King spoke on care of the newborn.

Problem cases were presented during the day. Clinic presentations were under the direction of Dr. M. E. Johnson of Fort Worth. The problem of the over weight child was discussed by the panel with case presentations. Two cases of hirsutism were presented. Other conditions presented by cases were sickle cell anemia, cerebral palsey and birth injury.

The panel moderator was Dr. W. A. Flannery, Fort Worth. Those assisting on the panel were: Dr. King, Dr. Mc-Rae, Dr. Geo. E. Miller of Dallas, and Dr. C. L. Curry of Fort Worth.

The Tarrant County Association of Osteopathic Physicians and Surgeons wishes to take this opportunity to express its appreciation to all visiting specialists who gave so graciously of their Page 12 time and energy. It is only through service such as this that the educational possibilities of this clinic and conference can progress from vision to actuality.

The Association, too, would like to take this opportunity to express its appreciation to the Auxiliary, who's annual sponsorship of the Clinic renders not only a service in the interest of child health in this area, but also exemplifies the cooperative spirit necessary in all good public relations.

#### Fannin County Society of Osteopathic Medicine Meets

The Fannin County Society of Osteopathic Medicine held its first dinner meeting at Bonham, Texas on Sunday, April 7, 1957. The Executive Secretary installed the following officers: Dr. Robert D. Van Shoick, Leonard, Texas, President; Dr. Seldon E. Smith, Wolfe City, Vice President; Dr. Frederick W. Boling, Bonham, Secretary-Treasurer; and Gordon A. Marcom, Ladonia, Corresponding Secretary.

There were nine members and six women present at the dinner meeting. The women adjourned immediately after the dinner to form an auxiliary. Dr. Boling spoke on "Interpretation of Electrocardiogram." The Executive Secretary was then presented with a plaque which reads:

> The Fannin County Society of Osteopathic Medicine

A Testimonial of Sincere Appreciation Presented to

P. R. Russell, D.O.

In honor and deep appreciation of the distinguished and unselfish service given to the profession while serving with outstanding leadership, vision and ability as

> Executive Secretary of the

Texas Association of Osteopathic Physicians and Surgeons.

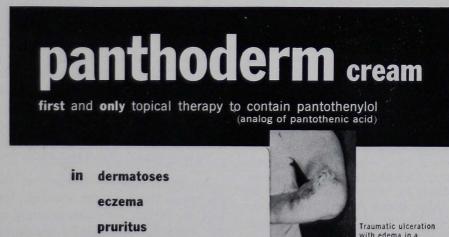
The Executive Secretary visited the offices of every member in this district in a two-day visitation.

#### Twelfth Annual Osteopathic Child Health Clinic The Herring Hotel, Amarillo, Texas - May 10, 11, 1957

The Twelfth Annual Osteopathic Child Health Clinic will be held May 10 and 11 at the Old Tascosa Room of the Herring Hotel in Amarillo. Dr. S. L. Reed, Pediatrician of Tulsa, Oklahoma, will be the Co-ordinator, assisted by Dr. Ben Souders, Pediatrician, of Olton, Texas. Dr. Ralph I. McRea, Psychiatrist, of Dallas, and Dr. James Bolin, Orthopedic Surgeon of Houston will be available for special cases in their fields. Children through eight years of age will be examined by a corps of Osteopathic Physicians from 8 a.m. until 4 p.m. during the two days. On Sunday morning, May 12, a Forum Discussion on the problem cases who have passed

through the Clinic, will be had under the leadership of the Clinic staff. At noon, there will be a dinner at the Herring, followed by meetings of the District One Association of Osteopathic Physicians and Surgeons, and the Auxiliary.

All doctors interested in working in the Clinic, or attending any portion of it and the meetings following, are cordially invited to Amarillo. Mrs. Raymond Mann, 119 N. Beverly, Amarillo, is General Chairman. The Clinic is sponsored by the Auxiliary to District One Association of Osteopathic Physicians and Surgeons.



external ulcers (traumatic, diabetic, varicose)

wounds

diaper rash

burns



with edema in a paralyzed arm.



Almost complete healing with Panthoderm Cream applied twice daily, covered with sterile gauze, for three weeks



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#### Dr. McCaughan Dies Of Coronary Attack

Executive Secretary Served AOA 25 Years

Dr. Russell C. McCaughan, executive secretary emeritus of the American Osteopathic Association, died March 21 of a coronary attack. His death was unexpected and came on a vacation trip at Largo, Florida, where he and Mrs. Mc-Caughan were visiting friends.

After 25 years in the position, Dr. McCaughan retired as executive secretary of the AOA in September, 1956.

"His death will be mourned by every member of the profession and by his many other friends," said Dr. Robert D. McCullough, AOA president. "Dr. Mc-Caughan was known throughout the nation as the spokesman and leader of the osteopathic profession."

Funeral rites were held at Kokomo, Indiana, Dr. McCaughan's hometown, on March 25. He was survived by his wife, Mrs. Bessie Alice McCaughan; a brother, Marcus McCaughan; and several nieces and nephews.

At the time of his death, Mrs. Mc-Caughan requested that flowers be omitted. She asked that any tributes to Dr. McCaughan be expressed through gifts to the Russell C. McCaughan Education Fund or to the Chicago Osteopathic Hospital.

Dr. Robert E. Morgan, Dallas, Texas, member of the Board of Trustees of the American Osteopathic Association, attended the services.

Pallbearers were friends of the profession. Honored



ARTHUR C. HARDY, D.O. A native Texan

Dr. Arthur C. Hardy, pioneer osteopathic specialist in eye, ear, nose and throat, who recently retired as chief of staff at the Kirksville Osteopathic Hospital, was honored by the Kirksville College of Osteopathy and Surgery for his contribution as physician and teacher in a day of special events, Thursday, April 4. At ten o'clock in the morning at an All-College meeting in the auditorium in the George A. Still Memorial Building, the Arthur C. Hardy lecture by Dr. Otterbein was delivered Dressler, nationally-known pathologist at Detroit Osteopathic Hospital.

At the recognition banquet at the Travelers' Hotel in the evening, Dr. True B. Eveleth, executive secretary of the American Osteopathic Association and an alumnus of the College delivered the address and Dr. Hardy was presented a plaque by KCOS President Morris Thompson, honoring the doctor for his contribution as physician and teacher. Other awards were presented by organizations of which Dr. Hardy is a member. Dr. Hardy, is a native of Lockhart, Texas and was graduated from the osteopathic college at Kirksville in 1911.

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#### Fannin County Society of Osteopathic Medicine, Formed

An organizational meeting was held at the Marcom Hospital, Ladonia, Texas on March 2, 1957, at which time the Fannin County Society of Osteopathic Medicine was formed, for the purpose of promoting the profession and to present the facts of Osteopathy to the lay public by means of an active society.

The members voted to adopt the constitution of the State Association and meetings will be held monthly in the various member towns for social and business-educational programs.

The following officers were elected: Dr. Robert D. Van Shoick, Leonard, Texas, President; Dr. David D. Matthews, Honeygrove, Vice-President; Dr. Frederick W. Boling, Bonham, Secretary-Treasurer; Dr. Seldon E. Smith, Wolfe City, President-Elect.

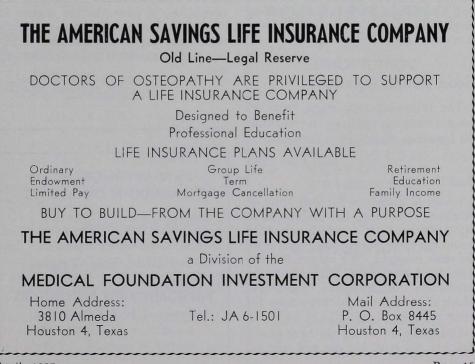
#### Dr. Hamilton Gets \$1000 Fellowsihp

CHICAGO (AOA)—Dr. Jane V. Hamilton of the College of Osteopathic Physicians and Surgeons, Los Angeles, was awarded a \$1000 fellowship in general medicine by Mead, Johnson and Company.

The grant will be administered by the AOA. It was awarded to Dr. Hamilton in support of her graduate study program. She was graduated at the top of her class in 1952 at COPS.

#### Dr. Lenz to Build Missouri Hospital

CHICAGO (AOA) — Construction of a new \$300,000 osteopathic hospital has been announced at St. Joseph, Missouri by Dr. William P. Lenz. The new hospital will replace one which Dr. Lenz has headed for the past 20 years. The old building was sold to permit expansion of another hospital.



April, 1957

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Left to right: Dr. Glenn G. Porter and Mr. Billy Conn, ex-heavy weight champion of the world.

This picture was made when Billy Conn refereed the boxing matches for the benefit of polio at Lubbock, Texas.

Billy Conn was referee for the show and Dr. Glenn Porter was attending ringside physician for the boxing commission.

#### **Good Public Relations**

The following two letters from insurance companies indicate the results of the Insurance Committee's activities:

March 26, 1957

Dear Dr.\_

I want to thank you for your letter of February 11th which has enabled us to pay \$140 on a claim which otherwise would not have been payable because of the rider involved. We believe that the claim has been handled fairly and to the satisfaction of everyone concerned, which after all is our primary reason for being in business.

Ordinarily we would not have paid a claim of this type, but you and your as-Page 16 sociates have always been helpful to us and we feel that we can rely on any information you give us.

When we can be of any service in the future, please let us know.

Sincerely yours,

March 26, 1957

Dear Dr.\_\_\_

Just thought you would be interested in this case. The policy was issued with a rider excluding any benefits for hospitalization due directly or indirectly to asthma or any disease of the lungs. This patient was hospitalized for "intestinal flu" and while in the hospital, her condition was complicated by several attacks of asthma.

As I explained to Dr.\_

I would have been very hesitant about paying this claim at many hospitals (you know some of the ones I mean), but you and your fellow members of the association, in particular the doctors in the \_\_\_\_\_\_ area, have certainly earned our respect and gratitude in trying to give us the true facts about any case.

Best personal regards



#### Californians Back Cancer Quack Fight

CHICAGO (AOA)—The California Osteopathic Association has joined the California Medical Association and other groups to sponsor a bill in the California legislature aimed at cancer quacks.

Phony cures for cancer peddled by quacks who demand large sums for their useless or harmful salves and medications are responsible for at least one death and probably others, according to the American Cancer Society.

Under present California law, no action is possible against the phony cancer experts. The law is vague and no severe penalty may be imposed. The bill now in the legislature would establish a composite medical board to investigate possible frauds and issue cease and desist orders. An accompanying bill would make violators liable to criminal action or revocation of license.

The Pennsylvania Osteopathic Association recently issued a statement of warning about fraudulent cures and quacks.

#### Science Topics Set For AOA Convention

#### Air Pollution, Earth Satellite, Oceanography

CHICAGO (AOA)—Developments of the International Geophysical Year will be the topics of speakers from outside the healing arts professions who will address the 61st annual American Osteopathic Association convention July 15-19 at Dallas.

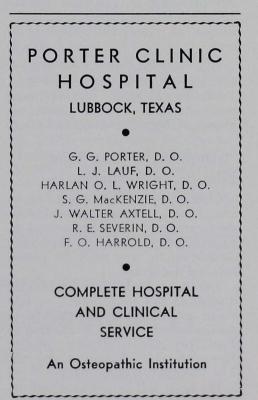
Dr. William G. Fredrick, director of the Detroit bureau of industrial hygiene, will talk about the health effects and causes of air pollution on Tuesday morning. Dr. Dale F. Leipper, professor and head of the department of oceanography at Texas A & M College will speak Thursday morning on his specialty and its ramifications.

Dr. Neil R. Kitchen of Detroit, gen-April, 1957 eral convention program chairman, also announced that a scientist who participated in the earth satellite project would discuss that program.

Dr. R. McFarlane Tilley of the Kirksville Osteopathic Hospital and a past AOA president, will moderate a Friday morning discussion on intra-professional relationships. Included in his panel will be general practitioners, specialists, osteopathic publication editors and legal and insurance representatives.

#### **Excellent Location**

MOULTON, TEXAS: The only doctor in this community passed away in April of this year. This community is in need of a physician immediately. The doctor's equipment is for sale by his wife. The local bank has stated they would finance any doctor interested in locating there. If interested, contact Mrs. J. C. (Eileene) Burt, Moulton, Texas.



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#### Additional Bills Introduced in The Legislature of Interest to The Osteopathic Profession

H.B. 10—An Act to be entitled the Lobbyist Registration Act.

H.B. 563—By Strickland. Authorizing Boards of trustees of school districts to require pupils to be vaccinated for poliomyelitis and to exclude pupils who have not been vaccinated.

H.B. 691—By Hughes of Dallas, Moore of Tarrant. Enabling cities to create Hospital Authorities, without taxing power.

H.B. 797—By Kennard. An Act revising the employer's liability and workmen's compensation insurance laws.

H.B. 811—By Walling. An Act amending Art. 447a of Vernon's Texas Civil Statutes which authorizes a coordinated health program.

H.B. 843—Introduced by Mann. An Act providing an additional optional method for establishment and administration of county-wide hospital districts.

S.B. 400—By Fuller. Licensing, inspection and regulation of hospitals.

S.B. 300—By Smith. Providing workman's Compensation for certain employees of Texas Technological College.

#### "Symptoms of Our Time" Film Series Available

CHICAGO (AOA)—"Symptoms of Our Time," a series of six television shows produced by the audio-visual department of the American Osteopathic Association are now ready for promotion and distribution.

The 16mm, black and white films are dramatized and fully cleared for television use. Titles of the quarter-hour public service shows are *Alcoholism*, *The Drug Addict*, *Arthritis*, *Medical Emergency*, *The Accident Plague* and *The Democratic Cold*.

The series will be promoted and dis-Page 18 tributed in the same manner as the 26week radio series of the same name. An extensive promotional campaign directed at the nation's 449 operating television stations has already been launched by the Division of P & PS.

Actual distribution will be handled by state societies which purchase the series as their own. P & PS will furnish all state organizations with a complete list of television stations in their respective states who have indicated their willingness to program the series.

#### Children's Program Set For AOA Meeting

#### Committee Plans Supervised Play

CHICAGO (AOA)—A special supervised program for children in attendance is planned by the local convention committee for the 61st American Osteopathic Association convention July 15-19 at Dallas.

The children's program will be set for the first time. It will be voluntary by parents and limited to children from 7 to 16. But those who choose to have their children participate will be free to enjoy the "Texas style" entertainment planned for the doctors and their wives.

Mrs. Charles D. Ogilvie and Mrs. Carl O. Haymes, both of Dallas, members of the local convention committee, will supervise the children's program. Dr. Robert E. Morgan of Dallas is chairman of the local committee.

According to Dr. Ross M. Carmichael, Dallas, chairman of the local public relations committee, six Dallas and suburban civic and service clubs have requested luncheon speakers to discuss public health during the convention. Additional requests are expected.

Speakers already selected include Morris Thompson and Wallace W. Pearson of KCOS, W. Ballentine Henley of COPS, Dr. S. V. Robuck of Chicago and Dr. Vincent P. Carroll of Laguna Beach, California.

#### Mead Johnson Awards Grants

CHICAGO (AOA)—Two additional grants for post-graduate study by osteopathic physicians have been announced by Mead Johnson and Company.

The awards of \$1,000 each went to Dr. Delbert Maddox of the Kirksville College of Osteopathy and Surgery and Dr. Richard F. Spavins of the Kansas City College of Osteopathy and Surgery. Dr. Maddox was the recipient of an earlier Mead Johnson fellowship.

These two stipends and a third to Dr. Jane Hamilton of the College of Osteopathic Physicians and Surgeons constitute a second series of awards to osteopathic physicians by the company.

#### Natural Childbirth Unnatural For Asia

CHICAGO (AOA) — In a recent trip to the Far East, where childbirth has traditionally come "natural" to women, Dr. Nicholson J, Eastman, professor of obstetrics and gynecology at Johns Hopkins Hospital in Baltimore, said he was surprised to find that certain hospitals have started courses in natural childbirth.

He learned that the techniques were brought back to Asia by doctors and nurses who had visited America and seen it practiced here. They concluded that since American medicine can do no wrong, they had better start the same thing in the Far East.

"So here we are, taking the artifices of natural childbirth to these primitive mothers of Asia, the finest exemplars of easy physiological childbirth in the whole world," said Dr. Eastman.

"They make no more fuss about having a baby than you or I would about having breakfast."

But now, he continued, they are being taught that having a baby is something to make a really big fuss about, that diet lists shou'd be memorized, new ways of breathing mastered and calisthenics praticed each night after a day's work in the paddy fields.

"They draw the conclusion that there must be something to fear about childbirth—something they never before had been told about. The process which always has come natural to these women of Asia is being made alarmingly unnatural through natural childbirth."

#### NAEB Accepts Raido Series

CHICAGO (AOA)—The National Association of Educational Broadcasters has accepted the "Search for Health" 13week radio series for distribution over the 34-station NAEB radio network. The NAEB will duplicate the series and schedule it for summer distribution. The Division of Public and Professional Service will offer a similar arrangement for the six-program "Symptoms of Our Time" television series.

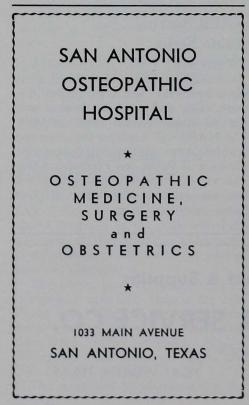


#### Washington News Letter

#### **Blood Bank Survey**

117 osteopathic hospitals in 21 states were wholly or partly dependent on Red Cross for their blood supply in the fiscal year July 1955 through June 1956, receiving some 29,540 pints of whole blood, also plasma and serum albumin.

Some time ago we furnished to Dr. George W. Hervey, Blood Program statistician of the Red Cross, a list of 350 osteopathic hospitals. Dr. Hervey has been loaned by the Red Cross to the Joint Blood Council and each of the osteopathic hospitals on the list either has received or will receive a letter from the Council enclosing a blood bank survey postcard calling for the number of transfusions to patients in the calendar year 1956 and the sources of blood received. The same letter and postal cards are being sent to approximately 9,000 bloodusing institutions. We hope each of



the osteopathic institutions receiving these postcards will promptly fill-in the information and return it to the Joint Blood Council.

In our judgment, your prompt cooperation will be in the public interest of the osteopathic hospitals and the osteopathic profession generally.

The Council is comprised of the American National Red Cross, the American Association of Blood Banks, the American Hospital Association, the American Medical Association and the American Society of Clinical Pathologists. Last December the Council received a Hill-Burton grant for research in hospital administration and service for a nationwide survey to develop standard terminology for describing the work of blood bank technicians and standards for use in accrediting blood banks, in the sum of \$25,000 for the first year of a two-year project. The blood bank survey by postal card is a part of the project.

#### **CAA Physical Examinations**

On September 4, 1945, the Civil Aeronautics Administration issued Safety Regulation Instruction No. 206 relating to physical examination of student and private pilots to embrace doctors of osteopathy within the term "competent, licensed physician" who may conduct the subject examination. Theretofore, CAA had stipulated that application for the examination be made to any licensed physician (M.D.) in active practice. By the terms of Instruction No. 206, inspectors were authorized to "accept a medical certificate from an applicant where such certificate has been executed by any doctor of medicine or doctor of osteopathy licensed to practice under the laws of the State involved."

In April of 1954, a supplement to CAA policies was issued requiring that third-class medical certificates (student and private pilots) may be made by "any doctor of medicine licensed to practice in the locality in which examination is obtained." In deference to our complaint on May 12, 1954, CAA revised the requirement to delete the words "doctor of medicine" and restore the words "competent, licensed physician."

CAA now proposes to amend the regulations to require that the initial or basic medical examination must be made by a "designated medical examiner," but that succeeding renewal medical certificates (which must be issued every two years) may be made by a "competent, licensed physician."

The proposed regulations define a "designated medical examiner" as an individual holding a letter of designation from CAA. The proposal does not thereby disqualify osteopathic physicians for appointment as designated medical examiners eligible to make the basic examination. However, current policy prescribes that with respect to designation of medical examiners preference shall be given to doctors of medicine who are members of their local medical societies.

The long-time policy of CAA has been to require that designated physicians shall be flight surgeons or former CAA medical examiners who have returned from military service.

On February 4, 1957, Senator Magnuson, of Washington, introduced a Civil Aviation Medical Act, which prescribes that a "medical examiner means any licensed physician who holds the degree of doctor of medicine, and who is authorized by the Administrator to perform physical and mental examination of airmen who are required by Civil Air Regulations of the Civil Aeronautics Board to hold medical certificates." Hearings on this measure are scheduled for the first week in April before a Senate Interstate and Foreign Commerce Subcommittee consisting of Senators Monroney, of Oklahoma, as Chairman, Smathers, of Florida, Bible, of Nevada, Schoeppel, of Kansas and Payne, of Maine.

The AOA Department of Public Relations will submit a memorandum to CAA within the allotted time of thirty days as provided for in the proposed regulations, and will also submit testimony before the Senate Subcommittee for the purpose of inducing appropriate amendment of S. 1045 to make eligible qualified doctors of osteopathy.

#### DMS Fund Drive Raises \$45,000

CHICAGO (AOA)—At the end of the first month a fund-raising campaign for the Des Moines Still College of Osteopathy and Surgery, Des Moines, Iowa, had collected about \$45,000 of its goal of \$150,000.

Dr. Clive R. Ayers, Grant, Iowa, general chairman of the drive and president of the Iowa Society of Osteopathic Physicians and Surgeons, said that early contributions had come mostly from the Des Moines area through personal solicitations by alumni.



April, 1957

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#### Happy Whale Thwarts D.O.'s Cardiogram Try

#### Tranquilized By Harpoon

CHICAGO (AOA)—An unsuccessful attempt to take an electrocardiogram of a whale brought national attention to Dr. Frank G. Nolan of Los Angeles. Newspapers all over the country carried stories about attempts by Dr. Nolan to tranquilize a whale and record the hugh mammal's heart action.

On separate expeditions, Dr. Nolan and Dr. Paul Dudley White, noted Boston heart specialist, sought to study the whale in hopes that information gained could be used in treating human hearts.

Dr. White employed helicopters and electronic devices. But in the best tradition of Moby Dick and Captain Ahab, Dr. Nolan went to sea in a small boat armed with a harpoon.

With a special hollow stainless steel harpoon, Dr. Nolan injected 500 miligrams of a strong tranquilizing drug into his target, a 50-foot grey whale. Unfortunately, the whale chose not to remain around after being harpooned and the drug required about an hour to take any effect. So Dr. Nolan and his trusty Coast Guard Cutter pursued their whale and his fellows for better than that time before losing the group in rain and fog.

"There is no doubt that the drug had some effect on the whale," Dr. Nolan said. "We cannot tell exactly what, since we didn't catch him."

Dr. White could not catch his whale either.

#### EXHIBITORS

#### Booth

	Dooth
Murray Agency	1
General Electric Company	
X-Ray Department	
R. J. Lindquist co	
X-Ray Sales & Service Co.	
M. G. Farnsworth & Co. and	
Waite Pharmacal Co.	5
Pfizer Laboratories	6
Central Pharmaceutics, Inc.,	
of Texas	8
Lincoln Laboratories, Inc.	9
A. H. Robins Company, Inc.	
The Doho Chemical Corp.	12
Eli Lilly and Company	13
A. S. Aloe Company	14
Vitaminerals, Inc.	
Marion Laboratories, Inc.	16
J. B. Roerig & Company	
S. J. Tutag & Company	
Yeager X-Ray Company	
Sunland Pharmacal Co., Inc.	
Vitamin Products Company	
Carpenter Pharmacal Company	22
Ballard Surgical Supply	23
Professional Foods	
Mead-Johnson and Company	
Noa Spears Surgical Company	26
U. S. Vitamin Corporation	
Medco Products Co.	
C. B. Fleet Co., Incorporated	
Coreco Research Corporation	
Testagar & Company, Inc	
The Baker Laboratories, Inc.	
The Nettleship Company	



# AUXILIARY NEWS

#### **Auxiliary District Ten**

New officers were installed at our March 26 dinner-meeting in the Caprock Hotel. Mrs. Harlan Wright, of Sundown, Texas, is president of the group; the other officers, all residents of Lubbock, are Mrs. Richard M. Mayer, vice president; Mrs. Edwin L. Parker, secretary; Mrs. Max M. Stettner, treasurer; Mrs. R. Z. Abell, Jr., parliamentarian.

Ladies of District 10 Auxiliary were glad to have Mrs. John L. Witt, Groom, Texas, present with them at the February 26 dinner-meeting. Dr. Witt was speaker of the evening, and the ladies as well as the doctors enjoyed his mesta sage on "Osteopathy in Texas."

Mrs. E. M. Whitacre reports that her husband, Dr. Whitacre, celebrated a birthday anniversary March 30.

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Mrs. Edwin L. Parker says her birthday, the first day of spring, was a very happy one.

Mrs. Max M. Stettner feels like a new woman now—really emancipated— with a car of her own and with the drivers' test behind her. When asked if she really passed or if she talked the officer into it, she said she couldn't have talked anyone into anything since she was so frozen stiff with fear.

Dr. Horace Emery, accompanied by Mrs. Emery, Ann, and Don, made a trip to Detroit, Michigan, the first part of April to attend the National Proctology Convention. Their plans, en route, included a visit with Doctors Louis and Louise Astell, of Champaign, Illinois. Dr. Louise Astell and Dr. Emery were classmates at KCOS; Dr. Louis Astell, a former professor at the University of Illinois, is also a graduate of KCOS. April, 1957

#### Seal Drive Tops Earlier Years

CHICAGO (AOA)—The 1956 osteopathic Christmas seal campaign will set a new record, according to Mrs. Ann Conlisk, director of the campaign.

By the end of February, seal collections totalled \$53,860. The final amount for the 1955 campaign was \$52,968, a previous high. Of the 1956 total, \$19,231 was contributed by the profession and auxiliary. Public donations through their efforts amounted to \$28,-945 with \$5504 coming from the schools and other special contributors.

Michigan topped the state groups with \$4884, followed by California with \$4135 and Illinois with \$3662. New York had \$3525 and Pennsylvania rounded out the top five with \$3483.

Behind those states came Washington with \$3359 and Ohio with \$3200, Indiana with \$2511, Missouri with \$1757 and New Jersey with \$1478.

Final yearly totals will be reckoned on May 31. A full report of the drive will be carried in the succeeding issue of FORUM.

The 1956 osteopathic Christmas seal was chosen by the Chicago Chapter of the national Christmas Seal and Charity Stamp Society as their "seal of the year." A seal is selected annually for the award, according to George C. Eckert, president of the Chicago chapter.



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# NEWS OF THE DISTRICTS

#### DISTRICT THREE

Interest in district affairs continues to subside in district 3. The regular meeting March 27 was overflowing with 14 members present. However, those few good members discussed various items of business, and made certain instructions to the delegates to the forthcoming annual convention.

Election of officers for the coming year was held, and the following were elected: President, Palmore Currey, D. O.; President-Elect, Henry Hensley, D. O.; Vice-President, Sue Fisher, D.O.; Secretary-Treasurer, C. C. Rahm, D.O. Dr. Jerry O. Carr, of Fort Worth spoke to the group on Ovarian Tumors, and his remarks were well received by a most appreciative audience.

The members of District 3 extend their sympathies to Dr. H. R. Coats, whose father, Mr. J. S. Coats died recently, and to Dr. H. G. Grainger, whose mother, Mrs. Nettie Grainger died February 28. A living memorial in the form of a contribution to the O.P.F. of the Kirksville College was made by District 3 in lieu of sending flowers to the funerals.

Dr. W. K. Bowden, City Health officer of Cushing, Texas, administered polio vaccine to 450 children April 10. The Cushing Clinic & Hospital is awaiting inspection for registration, and reports from the hospital indicate that they are operating at peak capacity.

Dr. Charles C. Rahm was recently awarded highest honors in the annual speech contest of Area 6, District 25, Toastmasters International. He will represent Area 6 in the Annual speech contest of District 25 in competition with 6 other area champions April 27 in Tyler. Dr. Rahm was elected Mayor of Brownsboro recently, and was guest speaker at the Hawkins Rotary Club April 3, where he spoke on "Juvenile Page 24 Delinquency." He was also guest speaker at the Methodist Men's Club of Athens, Texas, April 3, where he spoke on "The Eight Basic Motives of Life." He was special guest and principal speaker at the regular meeting of District 8, T.A.O.P.S. at Corpus Christi April 7, where he spoke on the Structure and Function of the House of Delegates.

See you all at the State Convention in San Antonio.

#### DISTRICT FIVE

The Fannin County Society of Osteopathic Medicine will hold its monthly meeting in the banquet room of the Gem Cafe, Bonham, Texas on April 6 at 7:30 p.m. The officers of the society for the coming year will be installed by Dr. P. R. Russell, Executive Secretary of the Texas Association of Osteopathic Physicians and Surgeons, Fort Worth, Texas. The new officers are: President, Dr. D. D. Van Schoick, Leonard; Vice-President, Dr. D. D. Matthews, Honey Grove; President-Elect, Dr. S. E. Smith, Wolfe City; and Secretary-Treasurer, Dr. F. W. Boling, Bonham. The banquet and installation services will be followed by a business meeting of the auxiliary at the home of Dr. and Mrs. F. W. Boling and a clinical conference by the society on electrocardiography will be held at the Art Centre Clinic.

The Dallas Osteopathic Hospital will spend \$50,000 this year for remodeling. Some of the changes are as follows:

(1) New blinds, (2) Refinishing all the furniture, (3) Relocation of pathology and laboratory departments to the penthouse, (4) A new X-ray unit and dark room facilities, (5) The addition of a recovery room and relocation of the delivery room, (6) An extension of parking facilities and all of it to be black-topped, (7) A complete over haul-

ing and addition of air conditioning equipment.

Dr's. Cannon, DePetris, Haymes and Drew will attend the Annual Mid-Western Clinical Conferences in Kansas City at which Dr. DePetris will be a speaker.

Drs. Philben, Moore, Helfry and others will attend the Kansas City Child Health Conferences this month.

The members of District V wish to express our deepest sympathy to Dr. Elmer Beckstroon whose father just recently passed away. And also to Dr. Laura Lowell whose mother only recently expired.

At our district meeting this month Drs. Morgan, Betzner and Brand were honored for years of service and were presented with Honorary Certificates of Lifetime Membership in the Osteopathic Association.

Lastly, I would like to include a list of names of the men who head the various departments for the coming year.

I. DEPARTMENT OF PROFESSION-AL AFFAIRS:

Joseph F. DePetris, Chairman.

- Professional Education and Meetings, Robert N. Collup.
- Ethics, Censorship, and Public Grievance, George M. Miller.
- Facilities, Seaborn E. Jones.

Selective Services, Arthur W. Kratz.

- Statistics and Locations, W. Herbert Locke.
- Membership, James A. Vaughn.
- Constitution and By-Laws, Gordon A. Marcus.
- Editorial and Publicity, Leonard C. Nystrom.
- II. DEPARTMENT OF PUBLIC AF-FAIRS:
  - Robert F. Lutz, Chairman.
  - Public Health, Lloyd C. Woody.
  - Public and Professional Welfare, Henry A. Spivey.
  - Osteopathic Progress Fund, Roy R. Moore.

- Hospitals and Insurance, Carl O. Haymes.
- III. SPECIAL COMMITTEES:

April, 1957

Community Chest, Charles R. Buell.

- Liaison with D.C.M.S., Robert E. Morgan.
- Press Relations, Ross W. Carmicheal.
- Dallas Health Museum, Charles D. Ogilvie.
- Dallas Historial Society, Richard B. Helfrey.
- Auditing Committee, Robert F. Lutz, Chairman; Richard Helfrey.
- Telephone Committee, Roland Young, Chairman; Richard Helfrey, Arthur Kratz, James Vaughn. LEONARD C. NYSTROM, D.O.

#### DISTRICT SEVEN

San Antonio News: Dr. and Mrs. Gordon S. Beckwith spent the weekend with his parents at Phoenix, Arizona.

Dr. Tobin was Program Chairman for our monthly educational meeting. An illustrated talk on the manufacture of Polio Vaccine at Wyeth Laboratories was given.

Dr. and Mrs. F. M. Crawford took his parents on a tour of the Southern States and Florida before they returned to their homes in Des Moines, Iowa. Both Dr. Crawford and his father are great readers of history, especially the Civil War period. They enjoyed visiting the various localities and battle grounds.

Dr. R. J. Tamez has our next program and it will be a good one.

Dr. Harold Beckwith has just informed us that his daughter Jane has enrolled at Stephens College for this fall's term.

We're all tied up with the State Convention affairs so haven't any time for other things.

We don't quite understand Dr. Witt's remark about being disappointed in that about one third of the doctors in District 7 were not members of the District or State Association. Dr. Witt stated to me about 90% of the doctors who were not members, we didn't want in the Association anyway. One of these doctors, not a member, was Dr. Mason of Temple. Perhaps some of the old timers are better able to explain why he was not

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Veterans Affairs, Sam S. Morgan.

a member. Another is Dr. Broadbent, a past executive secretary of the State Association and etc.

Austin news: The Travis County Society of Osteopathic Physicians and Surgeons recently elected officers for 1957-58. They are as follows:

President, Dr. Katherine G. Paterson. Vice-President, Dr. Robert L. Peters. Secretary-Treasurer, Dr. B. C. Richards.

The March meeting was held in the offices of Dr. John Donovan. After a short business meeting, Dr. Joseph Love showed a series of his color slides from his European trip.

Dr. Love and Dr. Baum attended the General Practitioners meeting in Houston. Dr. Love and Dr. Farnsworth went to Fort Worth for the Child Health Clinic.

We in District 7 wish to welcome all of you to San Antonio May 2, thru May 4 for the State Convention.

WALDEMAR D. SCHAEFER, D.O.

# DISTRICT EIGHT

The annual election of officers was held February 24 in Corpus Christi. Dr. L. E. Elsea, Corpus Christi was elected president for the coming year; Dr. William Tinnerman, Aransas Pass was elected president-elect; Dr. Fred Logan, Corpus Christi was elected vice-president; and Dr. W. A. Jones, Corpus Christi, secretary-treasurer.

The delegates elected were: Dr. Everett Wilson, Portland; Dr. Sam B. Ganz, Corpus Christi; Dr. Mabel Martin, Weslaco; Alternates are: Dr. George Divers, Elsa; Dr. J. M. Shy, Corpus Christi; and Dr. Merle Griffin, Corpus Christi.

The Kiwanis Club of Corpus Christi has announced that an annual donation will begin this year to the Corpus Christi Osteopathic Hospital. We are grateful for this gift and especially grateful to Dr. T. M. Bailey, who is now serving as president of the Kiwanis Club here in Corpus Christi.

Drs. J. M. Shy and Jack Vinson have just returned from an inspection tour of Page 26 the Fort Worth Osteopathic Hospital. Dr. Jack flew Dr. Shy up in a private plane.

Dr. C. R. Woolsey, a local osteopathic physician, left today to attend the annual convention of the American Osteopathic Society of Proctology in Detroit, Mich., tomorrow through Friday. He will return Saturday.

Dr. L. E. Elsea had among his patients this week the famous Cisco Kid and part of his troupe who were performing here in Corpus Christi.

The Auxiliary to District 8 has recently re-organized under the following roster of officers:

Mrs. Sam B. Ganz, president.

Mrs. L. E. Elsea, vice-president.

Mrs. W. A. Jones, secretary-treasurer. The Auxiliary is now formulating plans to meet regularly and to work out

plans for projects and activities the coming year.

We are indeed happy to be back "in the fold" again in the Journal and expect to be there each month hereafter.

> W. A. JONES, D.O. Secretary-Treasurer

#### DISTRICT NINE

District 9 met at home and office of Dr. Robert Moorehead at Flatonia in February. An excellent turn out of the members in our district with ten or twelve doctors and their wives present.

Dr. Harry Tannen gave a talk on Unexpected Reactions and Emergencies and Improvision at the office.

The members voted to furnish a room (No. 9) at the new Crews Hospital in Gonzales in appreciation of the fine work given the profession by the Crews brothers.

A flower tribute was sent to the funeral of our recently deceased member Dr. J. C. Burt of Moulton whose untimely death came in his sleep due probably to coronary thrombosis. Our sincerest sympathy to his wife and children.

The group voted to have an April meeting and omit the May meeting. April, 1957 because of the State meeting in San Antonio.

The books of the secretary were turned over to Dr. Boyd who will now report the district activities.

Dr. Pinkston was elected presidentelect for next year.

A fine dinner of smoked turkey and all the trimmings was served after the meeting. The members were so contented after the dinner that this member could do nothing all the way home but snore over his wifes protests.

C. L. BOOHER, D.O. Secretary-Treasurer

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#### DISTRICT TEN

Last month saw the second series of polio vaccinations at Lorenzo. Assisting Dr. Bob Nobles were the following members of the South Plains Osteopathic Association: Drs. Stettner, Mayer, McCorkle, Davidson, and Emery.

Congratulations to Dr. Harlan Wright troof Sundown who hopes to move into his new Clinic-Hospital in the early part of May.

Dr. Robert McCorkle has recently moved from Ralls to Idalou.

Congratulations to Dr. Horace Emery who received his certification in the American Osteopathic College of Proctology at their meeting this month in Detroit, Michigan.

At the last meeting of the District 10 Association, it was voted to have all employees of Osteopathic Hospitals and Clinics to have complete physical examinations, including chest x-ray and serology. The results are to be filed with the local city-county health departments.

EDWIN L. PARKER, D.O.

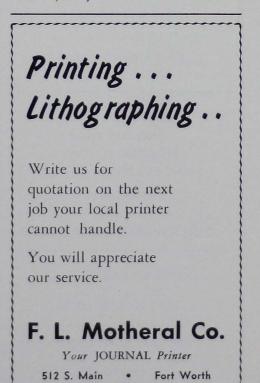
#### Rural M.D.'s Ask D.O. Cooperation

CHICAGO (AOA)—Michigan rural doctors went on record at a recent rural health conference at Michigan State Unisit versity as desiring close working relaeptions with osteopathic physicians in their communities. Cooperation would make it possible for them to leave their practices for vacations and postgraduate courses while the osteopathic physician covered for them, they pointed out. The main objection to a rural practice is that it allows no time off, doctors declared at the conference.

At the same meeting, Dr. Harry A. Towsley, director of post-graduate medicine at the University of Michigan, urged inclusion of osteopathic physicians in postgraduate clinics now closed to them by American Medical Association rules.

"The fact is that more than 1000 osteopathic physicians are caring for a fifth of the people of Michigan and the welfare of the population should be considered," Dr. Towsley said.

It was noted at the conference that AMA ban on cooperation currently is being ignored in many small Michigan communities where local hospitals are staffed jointly.



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 Gruskin, B : Chlorophyll – Its Therapeutic Place in Acute and Suppurative Disease, Am. Jnl. of Surg., July 1940. Bowers, W. F: Chlorophyll in Wound Healing and Suppurative Disease, Am. Jnl. of Surg., 1947.

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