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The WAYNE PHARMIC
VOLUME 14 1970 NUMBER 2

The Wayne Pharmic is the official publication of W.S.U. College of Pharmacy, written by, for, and about Pharmacy students and graduates.

THANK YOU:
The Wayne Pharmic staff wishes to extend their appreciation to Dr. Dunker for his invaluable assistance in forming this publication.
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A Social Awareness

HARVEY RUBIN

It is extremely important for each of us within the atmosphere of freedom available at this university to be aware of our social responsibility. The spirit which is apparent throughout the university community cannot be forgotten in the College of Pharmacy merely because we concentrate our study in the natural sciences as opposed to the social sciences.

The Wayne Pharmac

The Drug Abuse Committee

JOHN LOUGHER, CHAIRMAN

An idea was germinated approximately three years ago by a small group of Pharmacy students. This idea involved volunteer work in informing students and parent organizations about the dangers of drugs which are abused.

It would be difficult to describe all the goals that the committee has tried to achieve during its brief existence. The one goal which it has definitely achieved is "Pride in pharmacy, pride in the fact that we as pharmacy students could make relevant information to our friends, our peers, and the public.

It has been difficult in the past for the pharmacy student to see the relevancy in his four or five years of study. Yet, close to 35 percent of the fifth year class have volunteered their time to participate in this program. For the pharmacy student is becoming more aware of educational potential, and the need for a more meaningful education that can relate to the problems in pharmacology, and pharmacology and can also relate to his community and health care practice.

We as fifth year students hope this committee will never end, for this committee has an enormous amount of potential. Funds have been made available for the possible production of a movie or a set of slides. Also the undertaking of a series of lectures in a high school is being planned. During the past two years approximately 90,000 students have received our committee, and we see a larger number in the future. We hope that the public will see the total picture of medicine and learn to respect it as we have during our education.
Wayne State University
College of Pharmacy

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As students, we tend to define pharmaceutics as a field which does not relate to the other four fields of pharmacy. More precisely, pharmaceutics deals with the study of the physical aspects of drugs. A new approach to pharmaceutics was instituted about 1950 when pharmacists realized that the art of preparing elegant pharmaceutics dosage forms was directly related to chemical, physical, and kinetic laws. More detailed studies followed involving shelf-life of drugs, emulsion stability, and other related aspects of preparing and stabilizing drug products. Between 1960-65 the area of biopharmaceutics was defined because scientists realized that a potent, stable product did not always result in therapeutic benefit to the patient. Biological half-life, protein-binding rate relationships, excretion rates and dissolution rates became the topics for increased investigations. These advances in pharmaceutics are the basis for the present course work offered in the department, including courses in clinical pharmacy.

In Shapero Hall the pharmaceutics classes are taught by Drs. Fenn, Moore, and Nagwekar, Sister Emmanuel Schott, Mrs. Turczynski and Dean Barr.

Dr. Willis Moore and his graduate students are interested in improving the dissolution rates of dipyrone and improving dissolution rates of capsules. It appears in 1950-60 that each protein carrier will either be lipid or ionic in character, but not both. If this is the case, it will be possible to control the rates of excretion. Drug molecules could then be designed which take advantage of either increased or decreased excretion depending on the nature of the protein carrier. In a similar fashion, toxic and therapeutic effects could hopefully also be altered.

The impact of the study of pharmaceutics can be seen in each of the other areas of the pharmaceutical sciences. The chemist designs molecules which can be more readily excreted. The pharmacologist may then have to revise dosage schedules due to changes in the half-life. The pharmacognosist discovery which could not previously be used because of lack of suitable dosage form may become a life saving drug. And the pharmaceutical administrator must be sure that both the cost and usefulness of the product make it practical for manufacture and distribution, as well as for the intended patient. Pharmaceutics is an expanding area of interest and educational opportunity.
The wayne Pharmic

The purpose of pharmacy administration is to integrate records and laws so that they are pertinent to the profession of pharmacy. The two faculty members responsible for the presentation of pharmacy administration courses at the College of Pharmacy are Professor Dauphinais and Mr. J. D. Mills. Previously Mr. Defert Konner was also a member of the faculty who instructed courses in accounting and management but presently he is serving as assistant to the executive secretary of the A.R.D. in Chicago.

Professor Dauphinais is responsible for the majority of course work and as a result of his dedicated professional experience as a pharmacist and an attorney, he is more than qualified to state judicial principles in the practice of pharmacy. Professor Dauphinais has had varied experiences in both professions since he is a registered pharmacist in the state of Illinois and for a number of years served as legal counsel for the A.P.H.A. in Washington. His ability to articulate promptly shows any student his unlimited background.

J.D. Mills is part-time faculty and is currently listed as an instructor in pharmaceutical administration. Mr. Mills is also an associate pharmacist and is presently associated with Mills' Pharmacy. Mr. Mills' teaching responsibilities are limited to instruction in Drug Marketing and in the future will include instruction in the Records and Accounting courses. His experience in community practice will give Mr. Mills insight into the problems and relevance of record keeping as taught in the classroom.

The course work offered in pharmaceutical administration is primarily concerned with a classroom approach to the problems, business and professional, which a practicing pharmacist would encounter. The course entitled "Health-Care Industry Economics and Marketing" introduces the student to the routes of distribution of drug products from the manufacturer to the retailer. The course in professional management studies the principles of business law and stresses the important aspects of contracts and the origins of law. The last course rounds out the series is the course dealing with jurisprudence and ethics. The work here approaches the principles of positive law and legal relations of particular concern in pharmacy, the moral or political policies, and the resulting practices or procedure.
The professional's professional.

In pharmaceuticals, yesterday's information can be obsolete tomorrow. Men of medicine need someone who speaks their language to keep them up to date. Which is where you come in—the professional's professional. And, they'll listen when you talk because the Upjohn name means quality to them. Not in products but in the men who represent them. Not only in products but in the men who represent them.

Dr. Bailey is a graduate of the University of California where he received his Doctorate in Botany. In 1942 he then began work with Parke-Davis and Company. At Parke-Davis he worked in biologicaIs. After about five years, he came to Wayne, as first assistant and then associate professor of pharmacognosy, until 1959 when he assumed a full professorship. From the beginning, he has been teaching and doing research in the field of pharmacognosy. Dr. Bailey has added a great deal to his field, becoming involved with eleven professional organizations such as the American Society of Pharmacognosists, the Michigan Branch of the Society of Microbiologists and the American Association for the Advancement of Science to name a few. In addition, Dr. Bailey's interests include the Michigan Botanical Society and various fraternal organizations. He enthusiastically pursues a knowledge of plants and the practical applications involved in the drugs acquired from them.

Education has become increasingly more important in the dynamic and rapidly changing times of the past decade. This institution has had to become flexible and upon occasion change its major directives to produce professionals who are qualified in their chosen fields.

Pharmacy is one such profession. Within its framework, the Pharmacognosy Department has developed new priorities to meet the new demands. In earlier times, Pharmacognosy was concerned with the properties, uses, morphological and systematic aspects of crude animal and vegetable drugs. Now the emphasis has shifted to the chemical and physical aspects with incorporations of the biosynthetic schemes of each individual drug. In addition, the storehouse of natural products has also increased, including drugs from not only animal and vegetable origins, but also bacteria and molds. It can easily be surmised that Dr. Bailey, the head of the Pharmacognosy Department, has had to keep abreast of these changes. He has incorporated these facets into his courses.

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One of the first changes Ellis made as stockmanager was to raise the morale of the Pharmacy stockroom by his brisk manner and keen interest in the pharmacy department for the purchase of supplies. A second change will take great rapport with Ellis and will always envision him as the fellow in the formal in their manner and conventionally, and to me that's fraternity pledges, is an item not usually carried and are somewhat difficult to obtain from conventional suppliers.

Ellis describes this as a general stockroom responsible for supplying equipment and other incidentals necessary for the proper functioning of the laboratories. This also takes on a major role during the summer months and preparing an annual order in January, Ellis admits there is no difficulty in keeping the stockroom well supplied with all the equipment that is necessary, but he is somewhat surprised to learn that the item is not usually carried and is somewhat difficult to obtain from conventional suppliers.

Blas T. Palermo

It is with particular pleasure that I bring news to the Pharmacist and to the college of the fact that Blas T. Palermo has been promoted to Vice President, Pharmaceutical Research & Development, Miles Laboratories, Inc., in 1969.

I say, "particular pleasure" since Blas was one of my "boys" when he was assistant Chief, Research Laboratories, P. Scherer Corporation, Detroit, Michigan. Ellis was a most pleasant position in that he was responsible for the definitive specifications for the pure, fine chemical and pharmaceuticals on a routine basis. For some eleven years he carried out this assignment with excellence.

After a few years stint as Manager Technical Services, Merck & Co., Rahway, N.J., he became Director, Pharmaceutical Research & Development, Miles Laboratories, Inc., with the responsibility for development of proprietary products from the original idea through the large-scale manufacturing, the development of non-topical new drugs through the IND and NDA stages, the improvement of existing products and processes, and of most significant importance, basic research in the science of Pharmaceutics.

But there are other reasons for my pleasure and certainly for yours. Palermo is a graduate of this college, a pharmacologist, also having a B.S.C. in Pharmacy. After graduation he spent considerable time in graduate study in the area of biochemical genetics at Wayne. With the help of many colleagues he was instrumental in the re-organization of Pha Delta Chi which had been moribund for several years. When a son at Wayne, he was elected state President and thus became the first pharmacy student to receive this honor.

It is my privilege and my honor to salute Blas T. Palermo, a graduate of Wayne State University.

Distinguished Alumni

Maison Gabriel de Navarre

On March 16, 1970, a visiting speaker to the class in Industrial Pharmacy gave a most interesting series of fundamental concepts in the operation of the industrial facet of cosmetology. This was a delightful presentation of hard-won fact in an area rarely described so generously. Maison Gabriel de Navarre is not a stranger to this college, having earned his B.C.S. in 1949 from the old University Circle.

He followed this course further for additional information. De Navarre founded his own consulting laboratory in Detroit, becoming widely known as cosmetologists, and publishing his two volume work of considerable acquaintance among technologists, The Chemistry and Manufacture of Cosmetics, along the way.

Industrial opportunity was difficult to erect and it was no great surprise to find him in the presidency of Beauty Consultants, Inc. some years ago. Today he is still president of the firm which is now known as Lippa Beauty Consultants, a subsidiary of National Beauty Consultants Corporation.

De Navarre is a member of the principal cosmetic societies of Europe, including those of Denmark, Italy, France, Germany and Great Britain. He is a member of the American Pharmaceutical Association and the American Chemical Society as well as member and past president of the Society of Cosmetic Chemists.

De Navarre has been designated "Fellow" by the American Institute of Chemical Engineers. In 1969 this college honored him with the Alumni Award. It is a privilege to add this note to the Pharmacist concerning an outstanding graduate of the college.

The American Pharmaceutical Association convened its 117th annual meeting in Washington, D.C. this year with a gathering of about 4,000 pharmacists from the entire United States. The College of Pharmacy was exceptionally well represented as a total of eleven students from both the 4th and 5th year attended in addition to five faculty members including Dean Barr, Professor Deyhimt, Sister Emmanuel, Dr. Moore, and Dr. Warrner. The 5th year students present were Elaine Marshall, James Krumm and William Comicle while those of the 4th year were Queen March, Julianne Dunlopin, Christine Straight, Walter Palmer, Paul Desmet, Mike Franchini, Al Bannenmiller, and Ed Prosick.

The student sections of A.Pha. met the workshop prior to the assembly of the parent organization to decide such matters as election of new student officers, resolutions, and new roles student A.Pha. must assume. The general sessions were mainly to receive the students who represented their individual colleges of pharmacy, but intermittent discussion from the floor was encouraged and the debate became quite heated during these periods. The majority of business was completed in numerous committees where participation of all students was requested. In reflection, it seems a miracle that anything at all was accomplished in these committee and workshops because of the ever present perivity and parliamentary procedure; however, some very meaningful resolutions were made. These resolutions were to be presented before the parent A.Pha. for consideration and included statements such as the recruitment of pharmacy students from minority groups, the role of pharmacy students in Appalachia working to combat poverty, the establishment of a coalition of students in faith and social professions, and a statement which was the highlight of the student convention – an opposition to antibirth control laws. The student chapter also discussed means of increasing student membership in the professional association and methods which could be employed to combat student apathy; particularly, the possibility of having a central A.Pha. office at each college.

Our College of Pharmacy was instrumental in the sale of buttons proclaiming student A.Pha. as the "new breed of pharmacy power." These buttons were quite popular at the convention and at least assured other delegations that some people were concerned about student involvement. The day before the convention started was clarified that student A.Pha. is an entity separate from the A.Pha. and should not be considered the little brother to the large A.Pha.; the student A.Pha.

is, therefore, referred to as the National Professional Association of Pharmacy Students.

After an initial, demanding day of conventioning, the host chapter, Howard University (an all black campus), provided a social dance in the evening replete with ball and. While we students jammed to the popcara and funky chicken, there was a chance to have some discourse with other students. It was quite surprising to learn that WSU College of Pharmacy has quite a reputation among other students and is considered one of the most in the entire school. The presence of Wayne at a clinical pharmacy course, curriculum revision consisting of students and faculty, and a progressive Pharm.D. program led the list of questions other students had about Wayne. It was certainly an experience to have some interaction with students from other schools for it provided a chance to hear the insights of those who were not students.

In addition to providing an opportunity to meet new people, the A.Pha. convention also permitted the viewing of numerous displays by pharmaceutical manufacturers. New systems of drug distribution, patient profiles, medical electronics, reference texts and pharmaceutical literature were also exhibited. The presence of the Phillips Rosemount Instruments and the booth of the American Pharmaceutical Association were especially eye opening.

The convention provided students with an insight as to what pharmacy is like the nation over, and gave the students the opportunity to be introduced to some students with regard to course work in pharmacy.

The Wayne Pharmac.

Student APhA – Washington Report

WILLIAM CORNELIS

Pharmacy Stockroom

One of the first changes Ellis made as stockmanager was the establishment of the Pharmacy stockroom. He took over the responsibilities of the laboratory. A second change will take effect this September when locker registration will be mandatory and will be controlled by the stockroom.

Blas T. Palermo

It is with particular pleasure that I bring news to the Pharmacist and to this college of the fact that B. T. Palermo has been promoted to Vice President, Pharmaceutical Research & Development, Miles Laboratories, Inc., in 1969.

I say, "particular pleasure" since Blas was one of my "boys" when he was assistant Chief, Research Laboratories, P. Scherer Corporation, Detroit, Michigan. Ellis was a most pleasant position in that he was responsible for the definitive specifications for the pure, fine chemical and pharmaceuticals on a routine basis. For some eleven years he carried out this assignment with excellence.

After a few years stint as Manager Technical Services, Merck & Co., Rahway, N.J., he became Director, Pharmaceutical Research & Development, Miles Laboratories, Inc., with the responsibility for development of proprietary products from the original idea through the large-scale manufacturing, the development of non-topical new drugs through the IND and NDA stages, the improvement of existing products and processes, and of most significant importance, basic research in the science of Pharmaceutics.

But there are other reasons for my pleasure and certainly for yours. Palermo is a graduate of this college, a pharmacologist, also having a B.S.C. in Pharmacy. After graduation he spent considerable time in graduate study in the area of biochemical genetics at Wayne. With the help of many colleagues he was instrumental in the re-organization of Pha Delta Chi which had been moribund for several years. When a student at Wayne, he was elected state President and thus became the first pharmacy student to receive this honor.

It is my privilege and my honor to salute Blas T. Palermo, a graduate of Wayne State University.

Serek Fox, D.Sc.

The Wayne Pharmac.
As time moves on into a new decade, the profession of pharmacy is given an invitation as well as a challenge to improve its pharmaceutical services. With the opening remarks given by Dean Barr, the Seventeenth Annual Senior Wilson Seminar convened on February 24, 1970 in Room 100 Shapero Hall. Merrill E. Gowman, R.Ph., served as General Chairman for the meeting, while Lynn H. Cook, R.Ph., President, Michigan State Pharmaceutical Association; Carl Mason, R.Ph., President of the Pharmacy Alumni Association; and Joseph Wolf, R.Ph., President of the Metropolitan Detroit Pharmaceutical Association, provided at the various sessions.

"Government's Influence on Pharmacy Services" was presented by Allen J. Brands, R.Ph. Pharmaceutical services are not only affected by public policies and legislative action but by Task Force reports, grants, and health service projects. Legislative regulation is needed to protect the public.

At the present time, the nation is faced with a breakdown of health care provisions unless government aid becomes available. Cooperation must exist between the government and the public. The promotion and the assurance that the highest level of health care is obtainable for every person should be a national goal.

Besides government intervention, it becomes essential that education must keep abreast of scientific as well as social changes. Thus, motivation, commitment, and conviction are needed for the renewal of pharmacy.

Robert C. Johnson, M.S., R.Ph., questioned whether or not the demand for a new role will be met by pharmacists. Because pharmacists should not be content with the status quo, they must prepare for a change. It is important to recognize and to accept the fact that the corner drugstore is disappearing from the scene. The question arises, "What will replace the drugstore?"

Medicare does not meet all the needs of the citizens. Within five to seven years, seventy-five percent of the prescriptions filled will be paid by a third party.

Change is inevitable. Pharmacists, in their future role, may be called upon to consult with the patient on the effects of a drug, may have to establish a drug regimen, evaluate drug effectiveness, and note any side effects. The pharmacist will become a drug specialist. He will no longer be product-oriented but patient-oriented.

In order to meet the above situation, the curriculum must change from the traditional to the contemporary. We must update and upgrade the college of pharmacy as well as the internship program. A practical education must be made an integral part of the curriculum. Lack of direction must be overcome. The 70's can only become more demanding and frustrating.

The last speaker before the luncheon was Lawrence Weaver, Ph.D., R.Ph. "Achieving a Humanistic Approach in Providing Pharmaceutical Services" was the title of his presentation. Dr. Weaver feels that success will come only if we recognize that education has a major role in the future of pharmacy. The role of the teacher must be revised. The professor must be a synthesizer not a fact-builder. It is his responsibility not to duplicate textbooks in the classroom but it is his duty to make

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Alumni Awards

WM. F. ANDREWS, R.Ph.

The Pharmacy Alumni Association will present three distinguished pharmacists who have made outstanding contributions to the profession with awards in three award classifications at the annual pharmacy dinner dance scheduled for Saturday, June 6, 1970, at the Carousel.

Nominated to receive the “Meritorious Award for Significant Contribution to Pharmacy” is William L. Blochtein, Ph.D., Chairman, Health Science Unit, of University Extension, and Professor of Pharmacy, the University of Wisconsin.

The “Pharmacy Award for Distinguished Service in Pharmacy” will be presented to Delbert B. Konnor, M.S., assistant to the Executive Secretary of the National Association of Retail Druggists.

Eugene L. Dembecki, B.S., Chief of Pharmacy Service at the Lafayette Clinic, is the nominee for the “Pharmacy Service Award for Distinguished Service to the Alumni Association.”

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