Spring 1968
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The WAYNE PHARMIC
VOLUME 12 1968 NUMBER 1

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FROM the DEAN'S DESK
The Revised Undergraduate Curriculum

Dean Martin Barr

On November 22, 1967, the faculty of the College of Pharmacy unanimously approved a revised five-year undergraduate curriculum leading to the degree of Bachelor of Science in Pharmacy. The curriculum is to be effective for students who are scheduled to graduate in June 1971, or thereafter, i.e., students who are in the first, second, or third year of study in pharmacy in 1968-69. (Students who are scheduled to graduate in June or December 1970, or before, will continue on the present curriculum, i.e., students who are in the fourth or fifth year of study in 1968-69.)

The revised curriculum is an effort by the College of Pharmacy to provide, within the confines of the five-year program, a course of study to meet the needs of the pharmacist of today and of tomorrow as he sees it. It represents several years of study and deliberation by our faculty, accompanied by hours of discussion and debate on observable trends in professional practice and their implications for the future. As part of the study, conferences were held with the all-college student body meeting was held to discuss the curriculum study. Several meetings were also held by the Dean and the Dean's Liaison Committee to consider the revisions.

Objectives of the Curriculum

The revised curriculum was drafted based on the general concept that the pharmacist of the future must be more disease and patient oriented than heretofore, in addition to being product oriented. If he is to be better prepared to meet the challenges of future patterns of patient care, a philosophy shared by the great majority of pharmaceutical educators.

The objectives of the revised curriculum are as follows:

1. The program should produce an educated man, as individual able to participate effectively in community affairs. This is partially accomplished by providing the greatest possible opportunity to partake of the social sciences and humanities.

2. The program should prepare all students for the responsibilities of il-mint as a pharmacist by means of an irreducible common core of courses. The specific objectives of such a core are as follows:
   a) To provide a basic understanding of biological and physical sciences.
   b) To develop the ability to compound medications and prepare drugs in forms which are not commercially available.
   c) To develop the ability to communicate effectively to laymen, and to other health practitioners, authoritative pharmacological and basic pharmacological information.
   d) To provide a basic understanding of established standards of strength and purity of drug products as well as of the control procedures used to determine these standards.
   e) To provide an understanding of the responsibility involved in the control of the distribution of drugs.
   f) To develop sound problem-solving abilities which may be used to identify and solve practical pharmacy problems.
   g) To develop the ability to administer, manage a professional pharmacy practice.

3. The program should offer sufficient flexibility to allow for the selection by the student of additional specialized courses to supplement the core program.

Plan of Revision of the Curriculum

To accomplish the stated objectives presented a formidable challenge. In the belief that the large majority of the College's graduates would continue to enter professional practice, either in the community or in a hospital or related health-care facility, or both, the aim of the faculty was to prepare this group for potentially superior performance to developing new opportunities for total professional service by the pharmacist as a member of the patient-care team. On the other hand, there has been a small but steadily increasing number of students in pharmacy whose career preferences lie, not in professional practice, but in work in the pharmaceutical sciences in industry, government, professional associations and education, either upon completion of the Bachelor of Science degree or after additional graduate study; our aim was to accommodate this group, as well. For both groups the aim was to permit some degree of specialization for their chosen career area. It was agreed to establish a minimum common core of courses to be required of all students for the Bachelor of Science degree and to supplement this core with three broad options: one in Professional Practice (either community or hospital), a second in Industrial Practice, and a third in Pre-Graduate Study. Students will select their options at the completion of the fourth year of study and will select appropriate professional electives (a minimum of 12 q.c.h.) for study during the fifth year in order to achieve their specialization objectives.

The Core Curriculum and Program Options

A total of 253 q.c.h., in the five years of study will be required for graduation, similar to that presently required. Of these, 197 hours will be taken by the core curriculum. A total of 78 q.c.h. will be taken in the College of Liberal Arts (English, Biology, mathematics, chemistry, physics, economics, political science, history, etc.). Professional courses in the College of Pharmacy comprise 119 q.c.h. Effective courses comprise 36 q.c.h. of the core curriculum. Of these 24 q.c.h. are required electives in the humanities and social sciences; 12 q.c.h. are professional electives and will be selected based on the student's choice of specialization option as was previously discussed. An informal committee consisting of the chairmen of the various departments in the humanities and social sciences of the University has aided the faculty in preparing a broad listing of courses in these areas from which it will be suggested the students select their electives.

Course Changes and Innovations in the Core Curriculum

It should be emphasized that the changes made to the curriculum are great indeed, and, as those of many other forward-looking schools of pharmacy... (Continued on Page 11)
Drug use and abuse and its implications for the profession of pharmacy was the theme of the 15th Annual Stephen Wilson Seminar held at the Wayne State College of Pharmacy and the Pharmacy Alumni Association, Michigan Alumni Association, at the Michigan State University, on February 27, 1968. The seminar was held in the Community Arts Auditorium and Attendance was announced by Dr. D. Victor Rossi, President of the Pharmacy Alumni Association. The seminar was supported by Mr. Richard H. Wilson, President of the Wayne County College of Pharmacy and Dr. E. Victor Rossi, President of Wayne State University. The seminar was supported by Mr. Richard H. Wilson, President of the Wayne County College of Pharmacy and Dr. E. Victor Rossi, President of Wayne State University.

The general problem of addiction and substance abuse is discussed in this seminar. It is evident that the problem of drug abuse is a major concern to society. The seminar discusses the various factors that contribute to the problem of drug abuse and the implications of these factors on society. The seminar also discusses the role of pharmacy professionals in addressing the problem of drug abuse.

The seminar includes presentations by various experts in the field of pharmacy and drug abuse. The presentations cover a wide range of topics, including the history of drug abuse, the social and economic implications of drug abuse, and the role of pharmacy professionals in addressing the problem of drug abuse.

The seminar also includes a discussion of the impact of drug abuse on the healthcare system. It is evident that drug abuse places a significant burden on the healthcare system. The seminar discusses the various ways in which drug abuse affects the healthcare system and the implications of these effects on society.

The seminar concludes with a discussion of the future of drug abuse and the role of pharmacy professionals in addressing the problem. It is evident that drug abuse is a complex problem that requires the involvement of all members of society to effectively address it.

The seminar was attended by a large number of professionals, including pharmacy students, faculty members, and community members. The seminar provided an excellent opportunity for professionals to learn more about the problem of drug abuse and the role of pharmacy professionals in addressing this problem.
In June 1968, Wayne State University College of Pharmacy will graduate thirty-five pharmacists. The members of this graduating class have struggled together through the five years of school and are ready and willing to enter the profession. Most students have a sincere desire to improve the profession, keep up with changing trends in the practice of pharmacy, and maintain membership in the professional organization APhA-MSPA.

Many of the June graduates are entering community pharmacy, but almost an equal number are interested in hospital practice. Twenty per cent of the class is made up of women and over fifty per cent of the class members are married.

Donald R. Albers will be 26 in June. He is planning to be married this summer. He has participated in APhA and Montele College while at WSU. He has a citizen's band radio. He will enter community pharmacy.

Gerald T. Bollman, 28, is married and has one daughter. He belongs to APhA and plans to enter community pharmacy and someday own his own store.

Philip E. Cole is 24, single, and a member of APhA, Kappa Pi (past regent), staff of Wayne Pharmic. He has belonged to WSU Men's Glee Club and participated in Bonnette and church sponsored plays. He is interested in hospital pharmacy.

Ronald S. Coleman, 25, is married and has one son. He has belonged to the APhA and Alpha Phi Alpha. While he is also a licensed mortician, he plans to enter community pharmacy.

Ronald S. Columbus, 23, is married. He has participated in APhA, Phi Pi Phi, and has been business manager of the Wayne Pharmic. He is also a member of the American Chemical Society. He plans to practice in a community pharmacy.
Herbert E. DeLong is also married and has a daughter, 12, and two sons, 8 and 2. He is a member of APhA and Kappa Psi. He plans to use his pharmacy education in the Police Crime Lab along with practice in hospital pharmacy.

Judith C. Gerometta, 24, is getting married in September to another member of the graduating senior class, Ron Paul, in pharmacy school, she has been a member of APhA, Student Advisory Board, and president of Lambda Kappa Sigma. She also participated in WSU Concert and Marching Band. She plans to enter hospital pharmacy.

Donald C. Leteronke is 30 years old and married. He is a member of APhA and Kappa Psi. He plans to enter hospital pharmacy.

Gary L. Ingram has served as member of APhA (president), Phi Delta Chi, Student Advisory Board, and Wayne Pharmic. He is 24, married, and plans to enter community pharmacy.

J. Yale Hechtman, 26, is single. He is a member of the APhA, Phi Psi Pi, photographer for the Wayne Pharmic, and member of the Student Advisory Board. He also belongs to Alpha Epsilon Pi. He plans to enter community pharmacy.

Ernest L. Garwich has been active in APhA, Wayne Pharmic (co-editor), Alpha Zeta Omega (president) and Student Advisory Board. He has also participated in the Student Health Organization Jeffries clinic. He is 23, married, and plans to enter graduate school at WSU in the area of pharmacy education and hospital pharmacy.

Denise M. Kennedy, 23, is single. He is interested in hospital pharmacy and may enter law school. While in pharmacy school, he has participated in APhA, Phi Delta Chi, and Wayne Pharmic.

Elizabeth A. Kereji, also plans to enter hospital pharmacy. She is 24, single, and a member of APhA.

Ron W. Paul has been a member of APhA and is interested in both hospital and community pharmacy. He is 23 and in September will marry Judy Gerometta, also a graduating senior.

Gary L. Ingram has served as member of APhA (president), Phi Delta Chi, Student Advisory Board, and Wayne Pharmic. He is 24, married, and plans to enter community pharmacy.

Harvey F. Kleen is 22 and single. He is a member of Alpha Zeta Omega and APhA. He plans to enter community pharmacy possibly out of the state. He is also considering graduate school.

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Joseph E. Punchard, 25, is married and has one child. He has been a member of APhA and Kappa Psi. He will enter community pharmacy.

Paul J. Munzenberger, 24, is planning to be married this summer. He has served as president of Student Advisory Board, and belonged to APhA, and Phi Delta Chi. He plans to enter graduate school at WSU in the area of hospital and clinical pharmacy.

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Wayne Pharmic

Wayne Pharmic

Wayne Pharmic
Kathleen T. Price will be 22. She is active in many pharmaceutical organizations including Associated Women Students, Student Health Organization, and Alpha Delta Theta. She is 21, single, and plans to enter the field of medicine or pharmaceutical industry.

Sandra Sharrard, co-editor of the Wayne Pharmic, vice-president of Rho Chi Society, and recording secretary of APHA. She is 23, single, and plans to practice pharmacy in Arizona.

Pamela D. Voser has been a member of APHA, Wayne Pharmic, and also Alpha Delta Phi. She serves as a term of duty with the navy or marine corps.

William C. Robinson is a member of many pharmaceutical organizations including APHA, Phi Delta Chi, Student Advisory Board, Detroit Pharmaceutical Association. He plans to be married in June. He is 25 and will practice in a community pharmacy.

Chester J. Scott plans to practice in both hospital and professional community pharmacy. He is 28 and married. While attending WSU, he has been a member of APHA and Wesley Society.

James E. Uren, 24, is married and an active member of APHA and Phi Delta Chi. He plans to practice community pharmacy and attend graduate school in pharmacology.

Ronald J. Ponichter has been involved in many activities in the College of Pharmacy such as APHA, Student Advisory Board, Phi Delta Chi, Wayne Pharmic. He also served one year as representative to the Student Faculty Council. He is 26, single, and plans to enter hospital or community practice when he finishes a term of duty with the navy or marine corps.

Timothy G. Rodman is an active member of APHA (vice president) and Phi Delta Chi. He also belongs to Navy Reserve and plans to serve for two years after graduation. He is 22, married, and plans to enter community pharmacy.

FROM the DEAN'S DESK

(Continued from Page 3)

Many of the above courses will be taught by clinical instructors. For example, an outstanding professional practitioner who has a fine surgical supply practice will teach much of the work in Health-Care Accessories and Appliances and several other outstanding practitioners will join us in teaching Special Problems in Professional Practice, Sterile Products, Dermatological Preparations, Special Problems in Hospital Pharmacy Practice, Pharmaceutical Manufacturing, Elements of Pharmacy Quality Control, Pharmaceutical Product Development, Therapeutic Incompatibilities and Radiopharmacy.

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New Professional Electives

No attempt will be made to elaborate on each new professional elective now available in the curriculum for selection by students as part of their option selection. These do include, however, the following courses, all of which are available to students in the fifth year of study:

- Introduction to Pathologic States and Processes
- Elements of Pharmacy Quality Control
- Pharmaceutical Product Development
- Therapeutic Incompatibilities
- Radiopharmacy

William H. Jeffries, who is 23, single, and plans to practice community pharmacy, is an active member of APHA, Wayne Pharmic, and Student Armed Forces Organizations. He also serves and plans to serve for two years in the navy or marine corps.

Melvin D. Boyer has participated in Pi Phi and Sigma Alpha Mu while attending WSU. He is single, 26, and enjoys sports. He plans to practice in a community pharmacy upon graduation.

Harvey E. Williams, who is 23, single, and plans to enter the field of medicine and pharmaceutical industry, is an active member of APHA, Alpha Zeta Omicron, Student Advisory Board, Wayne Pharmic and Student Health Organization. He also serves and plans to serve for two years in the navy or marine corps.

Gerald A. Savel is 23, and single. He has been a member of APHA and Kappa Psi and will enter community pharmacy.

James A. Wallace, 23, is married and plans to practice in community pharmacy. He plans to attend dental school in Chicago.

Health-Care Accessories and Appliances, Special Problems in Professional Practice, Sterile Products, Dermatological Preparations, Special Problems in Hospital Pharmacy Practice, Pharmaceutical Manufacturing, Elements of Pharmacy Quality Control, Pharmaceutical Product Development, Therapeutic Incompatibilities and Radiopharmacy.

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Rho Pi Phi
PROFESSIONAL PHARMACY FRATERNITY
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Stephen Janoff
Edwin Malkin

Gary Marx
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Steven Zuckerman
Dr. H. Waksner, Advisor

Xi Alumni Chapter

Wayne Pharmic Wayne Pharmic
DRUG ABUSE

Gary Fein, Ph.D.

While the problem of drug abuse is certainly not a new one, it has captured the imagination and interest of both the public and those concerned with health care to an extent never before experienced. There has been a proliferation of information to the lay press as well as in the scientific literature focusing attention on this topic. Much of the impetus for this has been due to the somewhat sensational reports of the effects the hallucinogens, such as mescaline, peyote, LSD, etc., and the unfavorable results of such activities as glue sniffing. The problem, however, is much more extensive than this and has prevailed since long before these agents were used. We find that many types of drugs are abused—this is not to say that they are all addicting or even habituating, but are used for other than legitimate purposes.

Drug abuse falls into many categories. Perhaps the most serious type of drug abuse involves the use of narcotic drugs which produce both physical and psychological dependence in the user. The addict often ceases to be a useful member of society and is, therefore, of little value to himself or to his community. A detachment from society is also frequently noted in those who use the hallucinogenic drugs repeatedly. While the use of these types of drugs constitutes a serious problem, there are more insidious types of abuse that affect a much larger portion of the population. One of these is the abuse of stimulants and depressant drugs, obtained either by legal prescription orders or through illegitimate channels. The Drug Abuse Control Amendments of 1965 were passed in an attempt to limit the extent of this problem. The publicity created by the misuse of these various types of drugs has contributed greatly to what is perhaps the most serious of all drug abuse—the abuse of non-prescription drugs by our adolescent population. Non-prescription or OTC products are readily obtainable through a variety of channels of distribution, however, the community pharmacy is a major source. It is important, therefore, that the pharmacist recognize the potential for abuse of these drugs so that he may better fulfill his role in the protection of the public health. This may be difficult since most published information pertains to the action of drugs at normal dosage levels and their side effects at these levels. The responses at higher dosage levels have seldom been studied extensively.

Some of the types of OTC products which are currently popular with adolescents include:

1. Volatile Organic Solvents—These agents, and products containing them, are being used by inhalation. The effects seem to be similar to those of alcohol intoxication and are subject to considerable individual variation. Hallucinations may occur but are usually of short duration. Irritation of the mucous membranes is common as are nausea, vomiting, tinnitus and dizziness. Additionally, liver damage is possible. Products of this type include acetone, naphtha remover, cleaning fluids, warts and corn removers, lighter fluid, glue, chloroform, ether and aerosol propellants.

2. Sedatives and Sleep Aides—These fall into two groups, the bromide preparations and those employing antihistamines and scopolamine. The former have been abused for many years, but are not particularly popular at present. Bromides produce a feeling of drowsiness and unconcern. Concentration is impaired and, after prolonged usage, mental confusion, motor incoordination, thick speech and dizziness occur. The danger to prolonged usage is due to the long biological half life of bromide—about 12 days—which results in a cumulative effect. Scopolamine produces a state of apathy and drowsiness, however, this is often preceded by excitement, hallucinations and dis-orientation. Other effects are typical of the anticholinergics.

3. Cough, Cold and Allergy Preparations—These are commonly combinations of antihistamines, decongestants, and antitussives. The latter may be narcotic agents or non-narcotics such as dextromethorphan. Combinations of these agents, particularly in overdose, may produce unusual effects which are difficult to predict because of the varying effects of the drugs. For example, dextromethorphan acts as a central depressant in large doses whereas the decongestants are central stimulants. Antihistamines usually produce CNS depression but some may act as stimulants. The net effect, then, is extremely variable.

These three examples serve to illustrate the abuse potential of products considered to be relatively nonaddictive. The pharmacist should be aware of this potential and make every effort to control the use of such products and to educate the public as to their dangers. This can be done by making himself available to speak to church groups, PTA meetings and other groups of interested adults. The problem of educating the young people who use these agents is a difficult one since their very involvement in drug abuse may be a manifestation of their rejection of the authority and standards of the adult community. They are reluctant to listen to adults but are very responsive to young adults, only a few years their senior. This provides an excellent opportunity for pharmacy students to use their knowledge for public education. With this opportunity, however, goes the responsibility of being certain that the facts presented are correct and do not further confuse the issues. Excellent resource materials are found in the January issue of the Journal of the American Pharmaceutical Association and the bibliography appearing in the March issue, here is an opportunity to further the ultimate objective of all health professionals, namely to improve the public health.
PHI DELTA CHI

As one looks back over the past year, one can see how Phi Delta Chi influenced many of the events that occurred in and around the College of Pharmacy. This can be seen by the Alpha Eta men's participation in the Student Alpha-MSPA Chapter and the Student Advisory Board of the College. In the APA-MSPA, Georgia chapter, new members have been pledged and the following new members were inducted: Dr. John Adams (chapter president), Dr. Barbara Wilczynski (secretary), and Dr. Walter Palmer (vice-president). This year, Lambda Kappa Psi has added five new members; Don Ritter, Joesua Lauther, Paul Zeller, Paul Krause, and Bob McKay. These Spring and Fall pledgers have followed in the footsteps of those before them, for Lambda Kappa Psi has a strong and long tradition in pledging. During this past period in their fraternity lives, they are instilled with the merits and advantages of brotherhood.

The graduating seniors of Lambda Kappa Psi in June of 1968 were Bob Cole, Don Gierke, Al Munsay, Joe Pochruit, A. Mike Penrose, and Gary Savell.

During the Teachers' Association, the men of Lambda Kappa Psi added four newly-formed families through local Catholic agencies, the Men's Chapter at Harper House. The fraternity raised $500 which was used to supplement aid from the Government for food, clothing, and toys. These visits to these homes were made possible by providing an education and illustration the need for community help for the less fortunate.

For the past year, Beta Gamma Chapter, Lambda Kappa Psi, issued a supplement of its monthly Fred and Gary Newsletter on the topic of drug abuse. It was received well by those who attended the program.

In closing, we would like to bid a fond farewell to Judy Gerometta and extend to them our best wishes for their future in pharmacy.

The Alpha Eta Chapter of Phi Delta Chi in the fall of 1967, made arrangements for Theta's "Old Pledge Prescription Known" to be displayed in Phi Delta Chi's Phi Delta Chi, for its guidance throughout the past year.

THE EXECUTIVE BOARD, responsible for the national convention of the fraternity this past December, is expected to participate in all the events, and ten delegations from all over the country were given a tour of Wayne State's chapter.

The Brothers of Phi Delta Chi are also members. In the line of displays, our Chapter made arrangements for Theta's "Oldest Pledge Prescription Known" model to be displayed in Phi Delta Chi.

The Lambda Kappa Psi Sigma chapter this year were: John Cordell (vice-president and pledge mother), Barbara Wilczynski (secretary), Karen Bohrhorst (decal chairman), Sue Schwartz (SAL representative), and Don Ritter (SAL representative, initiated, Elaine Marshall and Marta Petroskous.

Greeks Corner

The Name of the Game

The annual Province V Assembly of Lambda Kappa Psi Pharmaceutical Fraternity was held in fraternity lives, they are instilled with the merits and advantages of brotherhood.

The graduating seniors of Lambda Kappa Psi in June of 1968 were Bob Cole, Don Gierke, Al Munsay, Joe Pochruit, A. Mike Penrose, and Gary Savell.

The annual Province V Assembly of Lambda Kappa Psi Pharmaceutical Fraternity was held in Detroit, on March 28, 29, and 30 at the Howard Johnson's New Old Motor Lodge on West Grand Boulevard at Third. Province V is made up of seven colleges and thirteen chapters from the states of Michigan, Ohio, and Western New York.

The theme for this year's assembly was "The Pharmaceutical Center—Economic Analysis." The theme was carried out by a film on the Pharmaceutical Center by McNeenos and Robinson and presentations by Brothers Stewart, Clifford, R.P., and William D. Hossery, R.P., covering the different aspects of his pharmaceuticals. Special thanks goes to Robert C. Johnson, R.P., Executive Director of the MSPA, who took his book schedule to stop by and say a few words to us.

One of the highlights of the Convention was a party Thursday evening to which the brothers of the Province of Michigan were invited to have a chance to mix with the brothers from the fifty-eight girls from the nearby colleges and nursing schools.

The Friday breakfast was followed by the first business session. The most interesting part of this session were the reports given by the Chapters on their various activities for the past year. This provided the delegates with a formal means of exchanging ideas which were explored in some detail among the brothers later on in the evening at the various entertainment spots in Detroit.

The alpha team of Lambda Kappa Psi proved victorious in the local Delta Chi Chapter in football, basketball, and bowling. The following officers were elected for the past year:

The Phi Delta Chi at the University of Michigan conducted many successful and productive social events the past academic year and the fraternity members have a satisfaction in the fact that their fraternity had a successful year.

The fraternity members' academic average was approximately 2.5 and was over 3.0 for the winter quarter. The average has been increasing, with a.37 grade point average over the past year gone to授予 Ernest Garwick, fraternity President Robert Hodge, Dean Weaver, David Siddell and John Schromen. The Assembly next year will be at Columbus, Ohio,

Phi Delta Chi

The Phi Chapter of Alpha Eta Chapter of Lambda Kappa Psi. At the University of Michigan conducted many successful and productive social events the past academic year and the fraternity members have a satisfaction in the fact that their fraternity had a successful year.

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RHO CHI SOCIETY

Annual Lakey Award Presentation

Each year, the Alpha Chi Chapter of Rho Chi National Pharmaceutical Honor Society presents the Lakey Award to an individual who has distinguished himself in an area of public health. This year the Chapter selected Joseph J. Sadusky, M.D., as recipient of the 1967 Roland T. Lakey Honorary Lecture Award.

The award was presented on December 5, 1967 following a formal initiation banquet of the Alpha Chi Chapters. Dean Emeritus Roland T. Lakey, in whose honor the award is named, gave a presentation at the dinner on "A History of the College of Pharmacy." Dean Emeritus Lakey served as Dean at Wayne State University College of Pharmacy from 1924 to 1955.

Following his acceptance of the award from Dean Martin Barry, Dr. Sadusky gave a presentation entitled "Changes and Trends in the Drug Regulatory Process.

Dr. Sadusky is presently Vice President for Medical Affairs at Park Davis and Company. He is also Clinical Professor of Medicine at Wayne State University School of Medicine. He received his B.A. and then his Doctor of Medicine in 1935 from Johns Hopkins University. He has held teaching positions at various schools of medicine including Yale University, George Washington University, and Stanford Medical School. Dr. Sadusky has also served as Medical Director of the Food and Drug Administration in Washington, D.C., from 1964-1966. He has also served as consultant to Army, Navy, and Department of Defense. He has published over one hundred papers in the field of medicine and contributed to medical textbooks.

CONGRATULATIONS
WAYNE STATE UNIVERSITY

IMPERIAL PHARMACY

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June L. Rogan R.Ph.

WEG'S PHARMACY

22422 Gratiot East Detroit

Althea Rice, Secretary, S.A.B., Wayne Pharamcy

PHI DELTA Chi

The Professional Fraternity of Pharmacy

GRADUATING SENIORS - 1968


Wayne Pharamcy

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Delegates, Gary Ingram and Sandra Sharrard, represented WSU student chapter APhA-MSPA at the annual Interim House of Delegates meeting, February 8 in Detroit. In addition to various reports presented at the meeting, some new approaches to the practice of pharmacy as a profession were emphasized.

The report of Robert C. Johnson encouraged more participation in prescription cost analysis surveys to determine the prescription charge for third party payment, in the MSPA sponsorships of programs for youth on drug abuse, and support at the „grass roots” level for involvement in association and related government activities.

Charles Corvington from Smith, Kline and French Laboratories, discussed the impact of office for Economic Opportunity Health Centers on pharmacy. He explained the role of the community pharmacy along with other members of the health team such as doctors, nurses, and social workers in providing health care to the family unit.

The proposed changes in the internship laws were presented by Robert Ravin. The changes provide a more diverse intern experience in all areas of pharmaceutical practice and also suggest licensing of the individual pharmacy preceptor.

The House of Delegates provided opportunities for pharmacy students to associate with the progressive leaders in pharmacy in the State of Michigan.

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SISTER EMANUEL

In the fall of the past academic year, a new course, Clinical Pharmacy, was incorporated into the curriculum for fifth-year students. Taught at Providence Hospital, Southfield, Michigan, this teaching and research program was coordinated and planned, along with the College of Pharmacy, by Sister Emanuel, Director of Pharmacy Services at Providence Hospital.

Sister Emanuel, who received her Master of Science in Pharmaceutical Administration at Wayne State University, graduated from St. John's University in 1955, with a Bachelor of Science in Pharmacy. Previously she had attended St. Joseph's College. In 1949 she entered Providence Hospital. She achieved her internship experience, at Providence Hospital, Washington, D.C., Sister Emanuel became Director of Pharmacy Service at St. Mary's Hospital, Troy, New York, then Director at DePaul Hospital, Norfolk, Virginia. Besides being an Instructor in Clinical Pharmacy at Wayne, Sister Emanuel is also an Instructor in pharmacology at Providence Hospital.

As present Sister Emanuel is president of the Southern Eastern Michigan Society of Hospital Pharmacists. She has been an active member of this organization since 1961, when she came to Detroit. She holds memberships in the American Pharmaceutical Association, American Society of Hospital Pharmacists, Michigan State Pharmaceutical Association, and the Oakland County Pharmaceutical Association.

Sister Emanuel is as active contributor to pharmaceutical publications and recently published an article in the April, 1968 edition of Drug Intelligence.

**Clinical Pharmacy**

The past academic year has been filled with exciting changes at the College of Pharmacy. Of major importance was the introduction of the new curriculum. One of the new courses is Clinical Pharmacy, Last year sixteen graduating seniors participated in the first offering of the clinical pharmacy course, at Providence Hospital in Southfield, Michigan. During the course of teaching and observing, the students learned many aspects of the hospital. In this type of field, credit on the college and the hospital.

The objective of this course was not to

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The various lectures by hospital personnel centered on departmental functions. Rounds with the medical staff were oriented to observe drug therapy. Observations were made of selected surgical procedures (repairing detached retina, cystoscopy, etc.), nursing procedures, and patient care. Of importance was the patient relationship with the health care members. Definite positive impressions were left on the students.

Most of the students were left with the feeling that a new and rewarding experience in health care therapy awaits them. Here was a course where theory could be placed into practice. The pharmacist wasn't a technician, but a drug expert. Many of the doctors who originally doubted the students' abilities, were delighted by the output of their knowledge.

At times the physicians underestimated the students. All in all, the doctors appeared to accept the students quite well. He enjoys teaching and research, and he attributes his idealistic outlook to his youth. He feels there is tremendous cooperation from other departments at Wayne and sees a great potential here.

He believes the "purpose in pharmacy school is to train drug experts and you cannot be a drug expert unless you have some idea of how the drug works. No longer do we learn structure for the sake of structure, but for definite reasons."

**DR. ABRAMSON**

(Continued from Page 5)

children should be able to choose any vocation they want without being pressured. "If my son wants to play third base for the Tigers it's all right with me—they could use one."

He enjoys sports in general and especially pro football. He played baseball, football and hockey in high school, and is reluctantly picking the Tigers to win the pennant this year. But says, "I have picked them to win it every year since 1945."

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