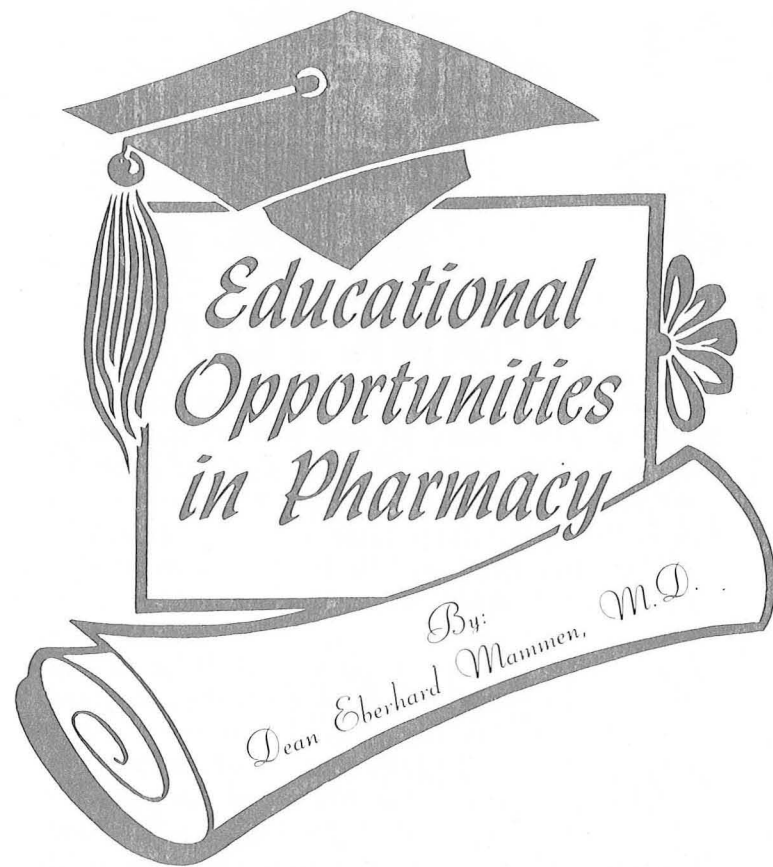


Pharmic
w.S.U.

SPRING 1980



tivity. Generally, our graduates have found employment in a variety of colleges of pharmacy across the country as teachers of clinical pharmacy, or they have placed in major medical centers as drug specialists.

While our College developed and continues to offer two programs, the undergraduate B.S. degree and the graduate professional Pharm. D. degree, other colleges of pharmacy across the country seem to be following the "California model" of offering only a Pharm. D. program. This is usually a program of four professional years, instead of three. The pros and cons of the single degree program are too varied to be discussed at this time. The University of Michigan School of Pharmacy has officially declared its intent to go to a single Pharm. D. degree program beginning in 1980. Ferris State College of Pharmacy is going to change soon also. Consequently, this leaves us very little choice but to follow the trend, and the Curriculum Committee of the Faculty of Pharmacy is presently exploring such a change. Since a change will be very costly, we cannot at this time realistically plan such a modification for the immediate future. We are also exploring alternative pathways, but all of this is in an early planning stage. Should we at some future time be changing, we will certainly attempt to develop programs allowing current B.S. pharmacy graduates to convert to a Pharm. D. degree. Whether this change from baccalaureate degree to Doctor of Pharmacy degree will drastically change the practice of pharmacy remains to be seen.

As we enter the 1980's, pharmacy education seems to be moving toward a major change that had its beginnings in the early 1970's. This change has been intimately related to a change in the role of the pharmacist in the health care team. The traditional function of pharmacists as dispensers of medication expanded to encompass advising patients on the safe and proper use of medication. This expanded role of the pharmacist became known as "clinical pharmacy". Our pharmacy faculty responded to this change with a major curriculum redirection in 1974 when the traditional pharmaceutical sciences, up to that time taught over a three-year period, were condensed into a two-year sequence. This left the last professional year for a practice oriented year with a mandated, scheduled externship. The new graduating pharmacist has a much greater appreciation and knowledge of basic disease mechanisms, and the action of therapeutics on these diseases, than the graduates of ten years ago. As judged by the Board of Pharmacy examinations, our program must be producing knowledgeable graduates because for the past three or four years our students have achieved the best scores in comparison to other programs in the State.

To further develop clinical pharmacy, our faculty instituted a two-year post-baccalaureate Doctor of Pharmacy (Pharm. D.) program. This program is a graduate professional program and students completing it are generally considered to be true drug experts. While there are several Pharm. D. programs in the country, ours has a research component added to the basic training program so that our students learn the basic tools required to conduct meaningful research and scholarly ac-

**Congratulations
and
Best Wishes
to
The Class
of 1980**

**Wayne State University
SAPhA**

Dr. Charles F. Ryan

Deputy Dean of Pharmacy

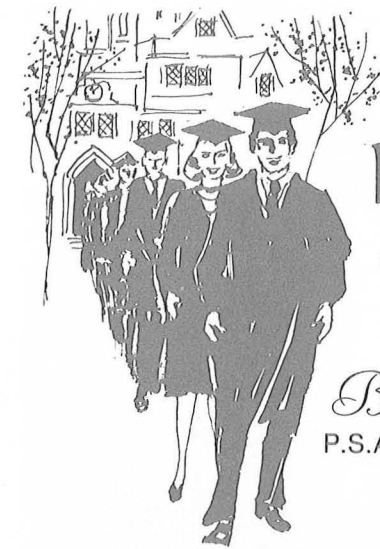
Dr. Charles F. Ryan joined the Wayne State University Faculty in July 1979 as Professor of Pharmacology and Deputy Dean of the Faculty of Pharmacy, College of Pharmacy and Allied Health Professions.

Dr. Ryan first became interested in the profession of pharmacy when he took a part-time job in a pharmacy at the age of 13. In addition to learning how to make ice cream sodas and sundaes, running the cash register and other assorted duties, he learned a great deal about the profession of pharmacy and developed a vast respect for the professional image projected by the pharmacist for whom he worked. In fact, his association with this pharmacist in a small town, Indiana "drugstore" led him to determine to pursue a career in pharmacy himself.

After graduating from high school, he attended Purdue University where he earned the B.S. degree in pharmacy. After graduation, he practiced community pharmacy in a chain store setting in several towns in Indiana before returning to graduate school at Purdue University. At Purdue University he earned the M.S. degree in Biochemical Pharmacy and the Ph.D. degree in Pharmacology and Toxicology.

After completing graduate school, he took a position as Assistant Professor of Pharmacology and Toxicology at the University of Wisconsin where he was involved in teaching pharmacology, toxicology and radiopharmaceuticals at the undergraduate and graduate level. After spending four years as an Assistant Professor at Wisconsin, he accepted a position as an Associate Professor and Chairman of the Department of Pharmacodynamics and Toxicology at the College of Pharmacy of the University of Nebraska Medical Center in Omaha, Nebraska. While at Nebraska, he was extensively involved in teaching pharmacology, therapeutics and toxicology at the undergraduate and graduate level. He also served as a pharmacist consultant to the planned parenthood clinic of Omaha-Council Bluffs for two years.

Dr. Ryan has developed a number of research interests over the years and has been involved in a variety of research projects. His primary research interests include autonomic pharmacology, drug-receptor interactions and toxicology. One of his current research projects involves a study of the effects of various drugs upon activated charcoal. Activated charcoal is commonly used as an antidote in a variety of accidental poisoning ingestions. The activated charcoal absorbs any poisonous material which remains in the stomach. He is currently studying the affect of a variety of substances upon the ability of activated charcoal to absorb and inactivate orally ingested poisons. Dr. Ryan is continuing his research efforts, teaching, and continuing education activities at Wayne State University in addition to his administrative responsibilities.



P. S. A. B. ACTIVITIES

By: Chris Witting
P.S.A.B. Recording Secretary

"The Pharmacy Student Advisory Board is a representative organization of the pharmacy student body of Wayne State University College of Pharmacy and Allied Health Professions, organized for the purpose of advancing the College, the University, and the intended profession of Pharmacy." These are the words to the preamble of the old P.S.A.B. Constitution. Unfortunately, the remainder of that Constitution was unable to provide the means for reaching the goals of such an organization. That is why this year, several members of the P.S.A.B. have organized a committee to rewrite the Constitution. Their main goals were to provide a satisfactory procedure for election of class officers, to create a student board active in alumni and student activities, and to draw the public's attention to the importance of pharmacy by providing student activities within the community.

With the help of many fine students, these goals have been accomplished. For example, the P.S.A.B. assisted Dr. Spigel of the Poison Control Center at Children's Hospital in organizing and preparing a group of pharmacy students to present a program on poison prevention to several Detroit area community groups. In addition, the renewed publication of the PHARMIC signals the P.S.A.B.'s start towards reaching the goal of increasing communication within the pharmacy student body, as well as with the various state and national organizations that affect the education and future of pharmacy at Wayne State University.

Another function of the P.S.A.B., and certainly not the least, is the planning of the spring picnic. Last year's picnic was a tremendous success, and though it is still in the planning stages, this year's picnic promises to be one of the highlights of Spring Quarter.

In closing, on behalf of the P.S.A.B., I would like to thank the deans, faculty, and all the great students who have actively, or in spirit, supported us throughout the past year. I would like to offer a special thank you to Dean Munzenberger and Laura Paige who together have kept things running smoothly. I urge your continued support so that as pharmacists we can share in the rewards of an active, progressing pharmacy profession.

Something New

By Nancy Matyunas

Do you know why you wear rubber gloves when fitting elastic stockings? Ask someone who has taken this special elective; he should know!

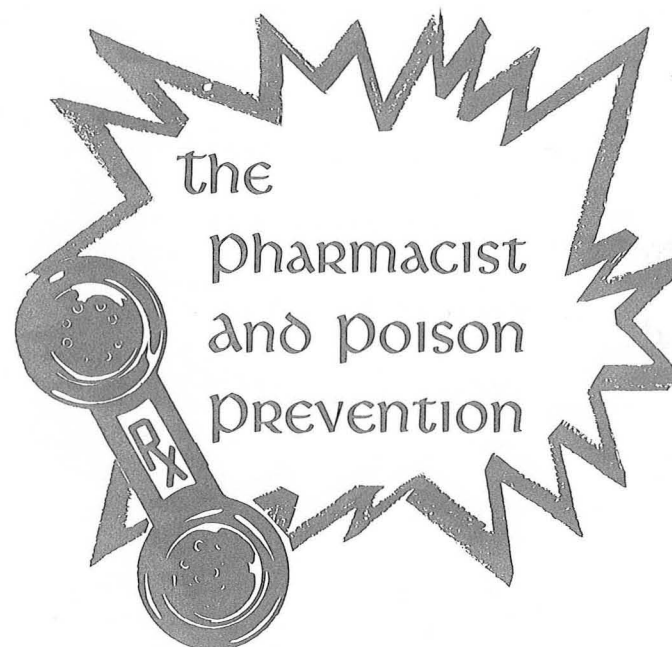
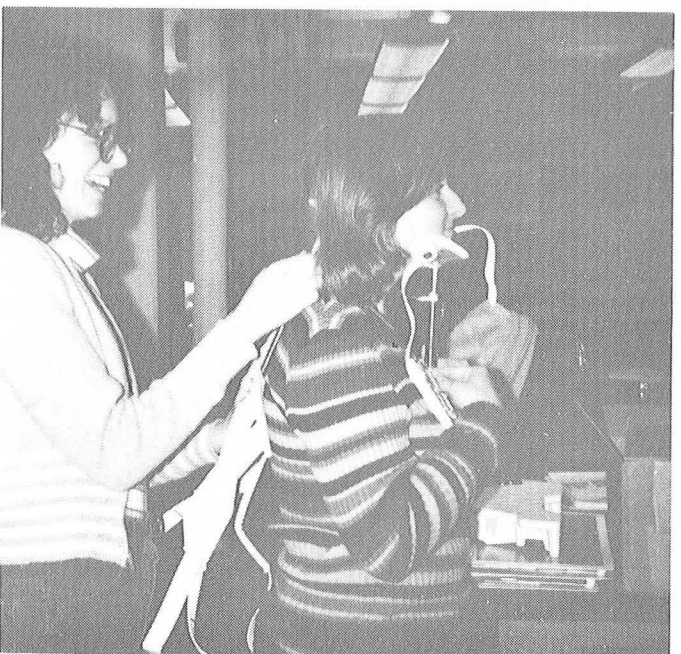
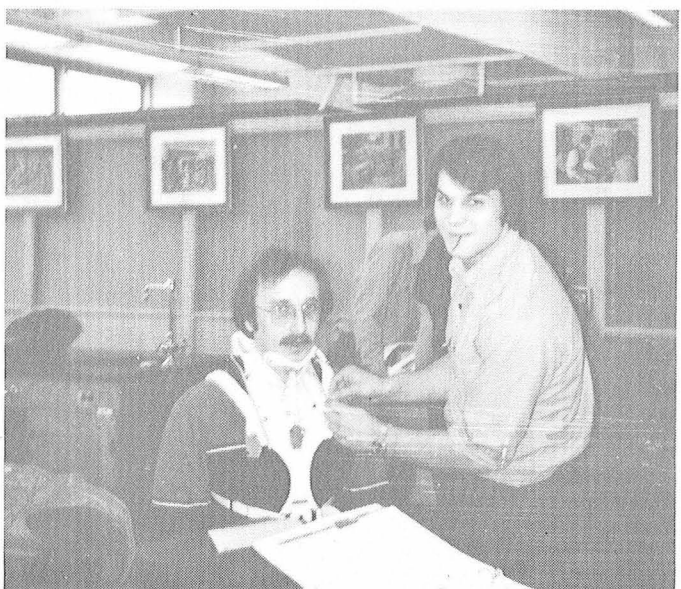
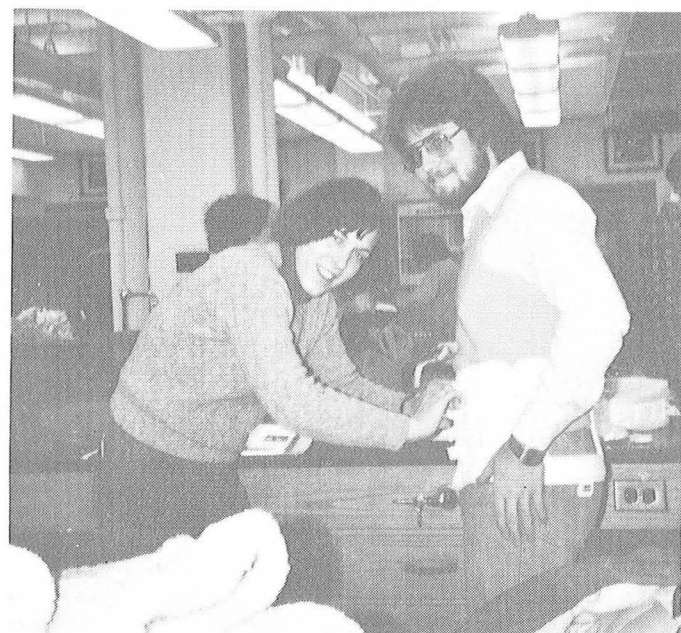
The "special" elective was a class about surgical garments. It was offered through the Pharmaceutics Department and was co-ordinated by Dr. Gary Fenn. The course was taught by three representatives from the educational department of Camp International, a manufacturer of surgical supports and braces, headquartered in Jackson, Michigan.

The course was offered over three days, Friday January fourth through Sunday January sixth, for eight hours each day. Instruction was given about surgical garments, cervical and back braces, elastic hosiery, mastectomy products and postural aids. Mornings were spent viewing slides about the garments and watching demonstrations of fitting procedures on "able bodied" volunteers. The afternoon sessions were spent in actual "hands on" experience with the garments. Each student was required to properly fit five different kinds of garments on another student model. An open book, written examination was also given. A minimum score of 85 was needed for successful completion of the course.

Students who pass the course will receive two professional elective credits and a certificate of completion from Camp International.

This type of class has been offered at other schools, but this was the first time for Wayne State. Camp International also offers a five day class which is more extensive and upon successful completion, the person becomes a certified "fitter" of surgical garments.

By the way, why *do* you wear rubber gloves to fit elastic hose?



By Bob Jarosz

In the past year, students from our College of Pharmacy have become actively involved in educating the public on the topics of poison prevention and actions to take if an accidental poisoning occurs. These students have been, and are currently, giving presentations to various groups in our community who request this service. The Poison Prevention Awareness Committee has been working in conjunction with Dr. Robert Spigiel of the Poison Control Center at Children's Hospital of Michigan to make these presentations possible. The poison control center books the engagements, provides a film and hand-out literature, and arranges for a pharmacy student to make the presentation, while the pharmacy student supplies valuable time to present a free lecture. These students took part in a training session that provided them with a well-rounded background in accidental poisonings, enabling them to appropriately answer questions asked by the audiences.

You may ask yourself: What motivated these students to become involved in this program? The answer to this is that they are genuinely concerned about public safety. The knowledge of what to do in accidental poisonings can save lives, and is this not the main objective of health care? You would be surprised to learn how many people have never heard of the free 24 hour poison information service provided by Children's Hospital or of syrup of ipecac and its effect. People became confused about when to induce vomiting and when emesis is contraindicated. Take for example an 18 year old male who siphoned gasoline from his father's car to his own. While attempting this procedure, he swallowed some of the gasoline. His father told him to vomit; he did and coughed while doing so. Then, one-half hour later, the father called the

poison control center to ask what he should do. It was already too late. X-rays taken the next day showed that the son had aspirated the petroleum and contracted lipid pneumonia for which the prognosis is poor. Had this father thought to call the poison control center first, this tragic illness could have been prevented.

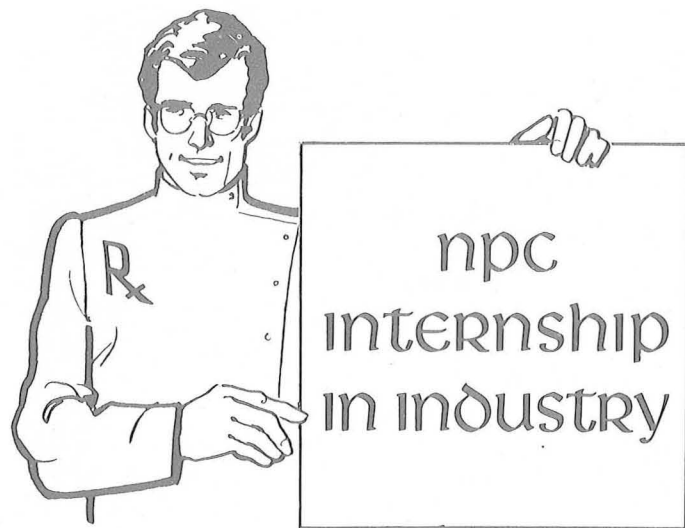
Pharmacists are a vital member of the health care team and are in a perfect position to provide poison prevention information to the public. A good profile system enables the pharmacist to determine which families have children between the ages of one and five years, the age group in which 65% of all accidental ingestions occur. The pharmacist can then make a special point to inform these families of the poison control center service and ask if they have ipecac in their house. If not, the pharmacist can sell them a bottle, discuss its effects with them, and impress upon them that ipecac should not be used unless authorized by either a physician or the poison control center. The pharmacist can then note on the profile that the consultation has occurred, eliminating the guesswork involved in knowing to whom the information has been provided.

In addition to giving presentations, the poison prevention awareness committee has helped forward the cause by contributing to the production of posters. These were sent to every pharmacy in Southeastern Michigan in an attempt to involve practicing pharmacists in poison prevention.

The role of the pharmacist is changing as our society becomes more sophisticated. Once, not that long ago, pharmacists prepared medications with their own hands. As industry relieved pharmacists of this duty, they became dispensers of medications. As profile technology advances, and with greater use of technicians to perform counting and label typing that is checked by the pharmacist, the pharmacist will be allowed to assume a new role which will include monitoring drug therapy, providing primary health care information, and services such as measuring blood pressure at the time of each refill for these medications to determine the efficacy of the drug regimen.

The students participating in the poison prevention program are helping pharmacy take a further step in this direction. To keep progressing, we need pharmacists in the community who become involved. Successful students become pharmacists who are capable of having an impact on the practice of pharmacy by bringing in new ideas and implementing them. If pharmacy remains dormant and insensitive to the new needs and demands of the public, it will decrease in status and importance in the health care team.

I wish to extend my gratitude to all those students who took the time and interest to become involved in this project. The participating fifth year students will need to be replaced, and a new committee chairman will have to be found if this project is to continue. Become active and take part in the promotion and advancement of our profession.



The summer of '79 I had the opportunity, along with three other pharmacy students, to participate in the NPC internship program at the Upjohn Company in Kalamazoo, Michigan. I would like to share with you my experiences and thoughts on the ten weeks I spent in industry.

Initially, we toured various parts of the company to become acquainted with some of the operations. First we took a general tour of production, walking through the entire plant to get a look at the manufacturing process of tablets, capsules, creams, ointments, liquids, and gelfoam.

Next, I found myself on the way to Jackson Prison to visit the Upjohn Clinic within the walls of the prison. Prison testing is a very controversial subject, but after seeing the protocol which is followed, there is no doubt in my mind that this is the ideal and controlled setting for the testing of drugs. The inmates go through a complete physical and must sign an informed consent. Once they have been selected to participate in a particular study they become residents within the clinic itself. Many of the variables in drug testing are eliminated by using prisoners. Some of these variables include diet, dosage administration, and the blood and urine sample collection times.

As is the case in the pharmaceutical industry, research is the key to future medical breakthroughs. Research is very important at the Upjohn Company as I saw when I toured their research facility in downtown Kalamazoo. It is because of the efforts and money spent on research that we have the highly potent and effective drugs available today.

As the pharmaceutical industry has grown, so have the areas in which it is involved. This became apparent to me when I visited the Upjohn Farm. Besides the drugs manufactured for human use, the Upjohn Company also has its AgVet line for animals. Through the research going on at the farm, many techniques have been developed to help the farmer maximize his profit by using some very sophisticated technology.

The next two weeks I spent in production, getting a

By:
Denise Beckman



closer look at the manufacturing of the various products I had seen on my initial tour. Even though a product is already on the market, research and studies continue to be performed on it. Pharmaceutical Manufacturing Development is always looking for ways to improve an already marketed product.

After a product is manufactured and packaged it is sent to the warehouse for distribution. But, just because a product is in the warehouse, it does not mean it is ready for distribution. Within the warehouse there is a quarantined area in which drugs are stored until all testing is completed and satisfactory results have been attained. Nothing is released from this area without the authorization of quality control.

I had a chance to work in the sterile lab on a compatibility study of Solu-Medrol in I.V.'s. The results of this study should be published this year. When the company is considering the use of a new supplier, samples are received and evaluations are performed in order to see if the material meets Upjohn's specifications, which are more stringent than U.S.P. requirements. While in the sterile lab I also prepared a batch of bacitracin received from a new supplier so that an evaluation could be made.

After production, I spent two weeks in Pharmacy Research and Development. The first week was spent in the Sterile Technology Lab working with an instrument known as a "Hiac" which is used in counting particulate matter. In this lab I was working on a stability study of various injectables manufactured in different plants around the world.

The second of these two weeks was spent in the Solid Products Lab. I had the opportunity to prepare a granulation from beginning to end, starting with the weighing of the raw materials right to the point of seeing the finished product coming off the tableting machine.

After getting a look at granulation, I also worked with a direct compression formulation of a chewable placebo to be used in a clinical trial. I was given a proposed formulation and allowed to work with it and improve

NPC Internship

(Continued from Previous Page)

it. When I ran into the problem of the punches sticking, I actually had to utilize the information about lubricants, glidants, and binders from physical pharmacy.

Weeks seven and eight I worked in the Quality Control department. The first two days I spent in the packaging area with the people from control, observing what must be done before a new lot is packaged. This includes checking in the product, boxes, packers, labels, shippers, and machinery itself. I was also able to view the people from control in action as they took samples from the lines and ran checks on weight, appearance, and torque pressure of the caps.

After getting this feel for what goes on with control in the packaging area, I started a project of my own. This project involved looking for the preservatives used in all the ointments, fluids, creams, and soft elastic capsules. I received a list of the preservatives used and then I was required to go to the "Where Used Book" and determine which products contained which preservatives. From there I went to the label copy room and looked up all of the labels to determine if the preservative was listed on the label and in what concentration. I then went to Production Co-ordination Services and looked at the master ticket of all products containing preservatives in order to determine the theoretical concentration of the preservative. After this I went to the control procedures to see if these preservatives were routinely assayed for and to determine what method was used. I was able to run a history retrieval of all the products upon which assays were done to determine how much the assayed values deviated from the theoretical concentration values. Next, I visited the stability office and looked through their files to determine how many lots and for what length of time stability was being run on these products. From this information I was able to run a regression analysis to determine at what rate the preservative degrades. I also spent some time looking through the files in the preservative lab to determine upon which products preservative effectiveness studies have been done. From all the data I have compiled they will make decisions about products for which the preservative is not routinely assayed and possibly come up with a procedure for the assay of it in the future.

My last two weeks in industry were spent in the marketing and sales area looking at what is involved in test markets and marketing research. In sales training I found that the representatives out in the field are well trained and very knowledgeable about their products and the disease states for which these products are used. I also had the opportunity to spend two days in the field in Fort Wayne, Indiana with one of Upjohn's top representatives.

If you are looking for a unique experience and are interested in exploring other options open to a pharmacist, consider applying for an NPC internship in industry.



the rho chi society

By: *Brent Branam*

The Rho Chi Society is a pharmacy honor society that has been in existence since 1917. The object of the society is to promote scholarship, friendship, and the recognition of the high attainments in the pharmaceutical sciences.

The high standards maintained for membership in Rho Chi have resulted in the general recognition of the society not only in Pharmacy, but by academic circles in general.

To be a member of Rho Chi, an undergraduate student in Pharmacy must have completed six semesters or nine quarters of scholastic work leading to a professional degree in Pharmacy. The student must be in the highest twenty percent of his class and have at least a 3.0 grade point average. Also, the applicant must display capacity for achievement in the science and art of Pharmacy and the allied sciences as evidenced by strength of character, personality, and leadership. Membership is also granted to outstanding graduate students and alumni. Honorary membership is granted to individuals who have shown distinguished service to Pharmacy.

The Society is divided into chapters throughout the United States. The active chapter at Wayne State University is Alpha Chi which was established in 1953.

Alpha Chi inducts members annually at its award banquet in the spring. At the same time, the chapter awards the Roland T. Lakey Honorary Lecture Award to an individual who has made substantial contributions to the field of Pharmacy and/or other health related fields. In the spring of 1979 the Lakey Award was presented to Dr. Gerhard Levy, Distinguished Professor of Pharmacutics at the State University of New York at Buffalo, School of Pharmacy, for his work in pharmacokinetics. While in Detroit, Dr. Levy presented two lectures. At the present time, the Alpha Chi chapter is at work preparing for the 1980 banquet and the selection of a recipient for the Lakey Award.

The 1979-80 officers of Rho Chi, the Alpha Chi chapter, are: Al Johnson-President, Mary Lowe-Bloome-Vice President, and Brent Branam-Secretary-Treasurer. The Faculty Advisor is Dr. Gerard C. Hokanson.

PICNIC 1979



Lambda kappa sigma

The members of Lambda Kappa Sigma have been very active, both professionally as well as socially. Last December we initiated nine new members-Bonnie Bohl, Carolyn Berner, Jackie Burrell, Joyce Comer, Pam Geboski, Abbygail Hoffman, Rashida Shah, Carolyn Tolbert, and Doreen Wray. We celebrated the occasion with a formal banquet at the Shores Club in St. Clair Shores. We hope our new sisters will be enriched by their membership as will be the fraternity.

We would like to extend a warm welcome to our new faculty advisor, Mrs. Geralynn Smith, who joined Wayne's staff last year. She received her B.S. in Pharmacy from Rutgers University. She then attended St. John's College of Pharmacy and Allied Health where she earned her Master's Degree in Institutional Practice. She worked at St. Joseph's Hospital in Patterson, New Jersey and was an adjunct faculty member at St. John's. Presently, she is a clinical pharmacist at the Health Care Institute and is the Pharmacy Satellite Supervisor. She is also the co-ordinator for the OTC course and is in charge of clerkship at the Health Care Institute. We are very proud and pleased to have her with us and look forward to a long association with her.

Last spring we were pleased to host the LKS mini-regional convention. Chapters from Toledo and Ferris were represented, as well as members from our own chapter. It is always a pleasure to have the opportunity to meet our sisters from neighboring areas. Highlights of the day included a lecture on ostomy products and seminars at which ideas were exchanged. For a delightful final touch, we went to "Greektown" for a delicious dinner. The event certainly proved to be both an educational and enjoyable experience.

LKS has also been baking up a storm. We have held several successful baked-good sales, much to the delight of everyone at HSB. In addition to providing tasty treats, the sales have helped relieve our financial woes.

On October 14th we celebrated Founder's Day at the home of Mrs. Geralynn Smith. On this occasion, we honor our founder, Ethel J. Heath, and charter members with a traditional ceremony. After the ceremony, a business meeting was conducted, followed by refreshments.

Once again at Christmas we contributed to Focus Hope, a program for undernourished or underprivileged families. We are very happy that we are able to lend our support to such a worth cause.

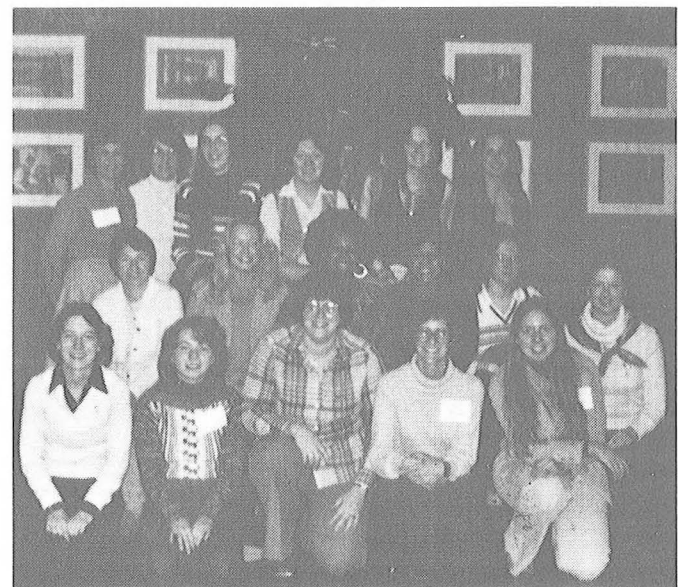
On March 15th we celebrated Hygeia Day. On this day, tribute is paid to Hygeia who, according to Greek Mythology, was the first woman pharmacist. A scientific and professional program is arranged to observe this day. This year the program consisted of a demonstration of the Heimlich maneuver, a technique used in removing obstructions from the trachea. Being familiar with this life-saving procedure could prove to be invaluable.

This June, fifteen of our members will be graduating, Daina Astasitis-Shutte, Janel Bonus, Joan Cosens, Nancy D'Hondt, Cynthia Filipovich, Mary Kijorski, Jean Kovalchik, Candace Lamos, Nancy Matyunas, Sue May, Margaret Mazur, Coreen Nakayama, Barb Ryckman, Connie Smith, and Mary Thorsby. We would like to take this opportunity to congratulate them and wish them success as they embark upon their careers in pharmacy.

That brings things up to date. This year we have attempted, through our activities, to enhance the concept of professionalism among women in pharmacy. We hope that next year this ideal will reach even greater heights.



LKS BAKED GOODS SALE



LKS MINI-REGIONAL CONVENTION



KAPPA PSI

kappa psi news

By
Duane
Corsi

Recently, Mu Omicron Pi chapter initiated nine new members into the Brotherhood, bringing our total to 49 active members. All of the new initiates are third year students, inspiring a strong and active fraternity for years to come.

Last year marked a milestone for Kappa Psi, as we celebrated our 100th anniversary, making ours the oldest pharmaceutical fraternity in the nation. In honor of the occasion, Mu Omicron Pi chapter held a "Centennial Week," which included two champagne socials. The gatherings were made very successful by the attendance of many faculty, graduate brothers, collegiate brothers, and friends. The week was topped off Friday with a Centennial Beer Bash which was enjoyed by many students of the college and their friends, as well as brothers from our neighboring chapters from Toledo and Ferris State.

During the summer break, everyone was surprised when our second annual Pig Roast turned into our first annual Corn Roast (because the pig just wouldn't cooperate).

Our annual Awards Banquet saw 18 members receive Scholarship Honors, the most ever given out by Mu Omicron Pi. As mentioned, the fall quarter brought nine new members into the collegiate chapter, but the Detroit Graduate Chapter was also pleased to welcome a new brother, Dr. Charles Ryan, Deputy Dean of Pharmacy.

Once again we held a special lecture for students and faculty of the college as Ms. Penny Hogan, a staff pharmacist at Henry Ford Hospital, presented an interesting talk on "Total Parenteral Nutrition."

The best news came early in the winter quarter when Mu Omicron Pi received word that we were awarded the privilege of hosting the 1981 Kappa Psi National Convention, further enhancing Detroit's new image as the "Renaissance City." Even though it's more than a year away, we have already begun making arrangements so that Detroit will be host to the best Kappa Psi Convention ever.

phi Delta Chi News

The members of Phi Delta Chi have been hard at work making plans for the future. Some of the upcoming events include: bake sales, eucher tournaments, special guest lectures, a hypertension screening project, parties, sport events, and much, much more. One of the main objectives of our fraternity is to promote the image of pharmacy by being active in various social and educational endeavors.

The men and women of our fraternity are carrying on a fine tradition of school and community involvement. For instance, Karen Stockton was elected to serve as third year class recording secretary. Presently, Ken Jozefczyk holds a position on Wayne's P.S.A.B., and Pam Zuchmanski is serving as fourth year class secretary. Greg Sosnowski has volunteered to assist in the taping of the lectures for the fourth year class. As in the past, Phi Delta Chi will be taking an active part in coordinating the annual Pharmacy and Allied Professions' spring picnic.

Mike Kiluk and Marty Lulek, as well as other members, have taken part in the Poison Prevention Program held at Children's Hospital of Detroit. In the past, Phi Delta Chi has served the community by participating in Drug Abuse talks, Red Cross blood drives, and other projects.

Phi Delta Chi has increased its size from 20 members to well over 30 with the addition of the Little Sisters Organization. The Little Sisters take an active part in all fraternity functions.

Wayne State University Pharmacy Class 1980



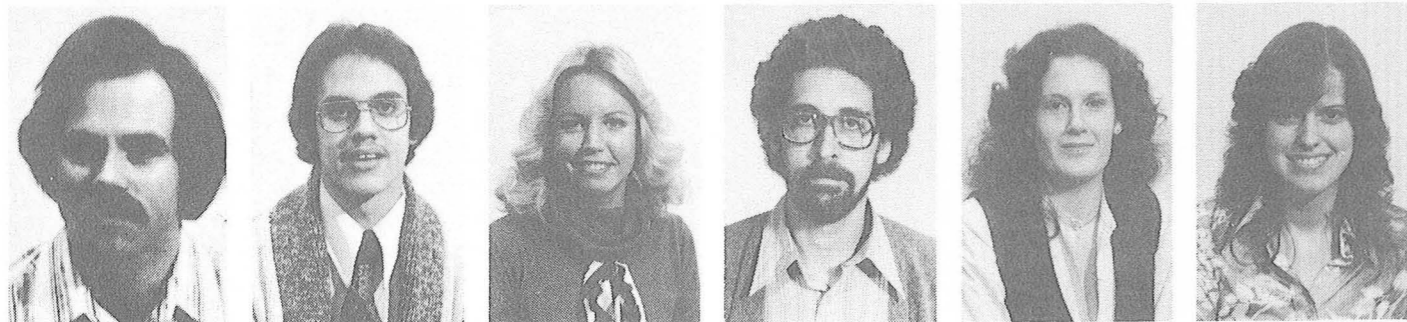
Robert Abrams Faieza Abro Monika Adams Bushra Al-Esshaki Diana Astasaitis-Shutte David Baczewski



Denise Beckman Jeffery Bismack Roger Blevins Mary Bloom Janel Bonus Stephen Borowy



Brent Branam Donald Budden Mary Burkhardt Steven Burns Thomas Calloway Gregory Carrick



Christopher Charlton Duane Corsi Joan Cosens Steven Cote Sally Douglas Janice Dubey

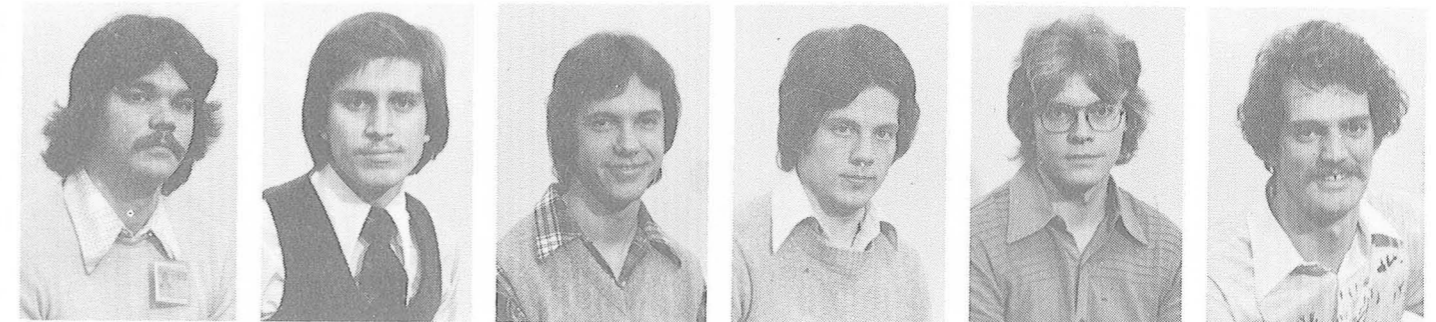


Barry Efros Anthony Enokian Larry Falzon Laurie Fanfalone Cynthia Filipovich Dean Geiser

Wayne State University Pharmacy Class 1980



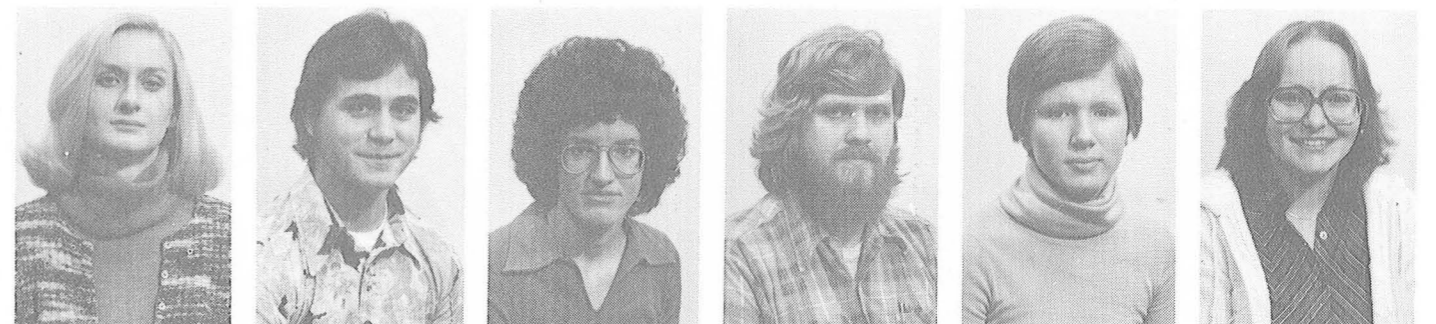
Marc Giannetti Wayne Gibson William Gill Bruce Goldberg Paul Gutowski Charles Gwizdala



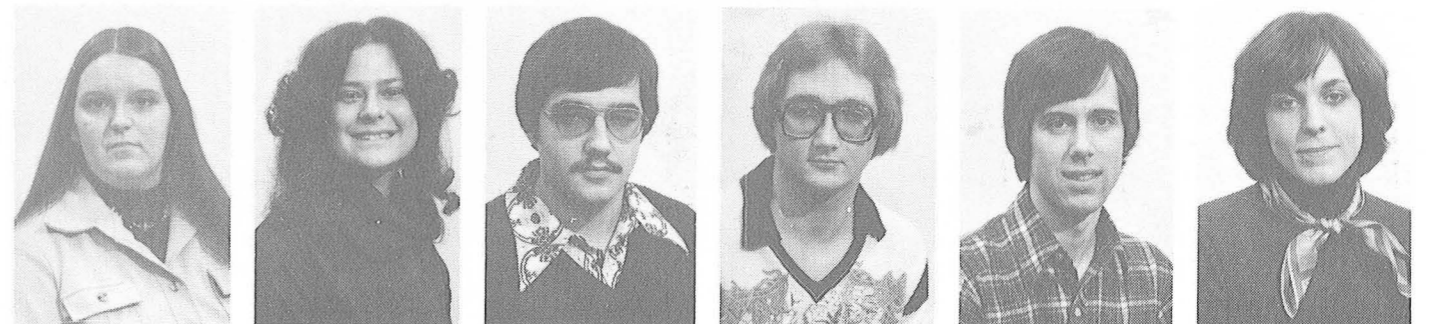
Timothy Hanser Andy Hatzis Richard Hillbom Larry Hinchey William Hupp Steven Jantz



Robert Jarosz Alan Johnson Nadia Karmo James Kasner James Kawwas Mary Kijorski



Jean Kovalchik Ronald Kret Candace Lamos John Lane Monique Langelier Betty Levi

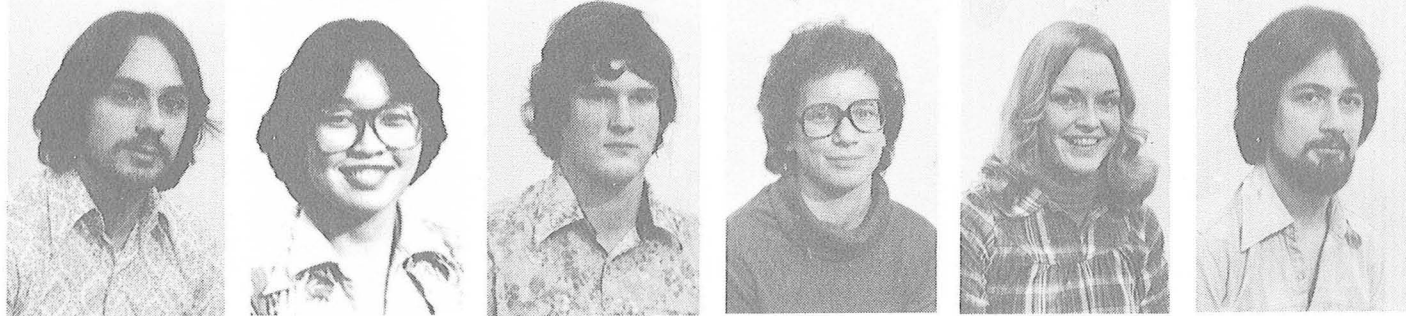


Deborah Lewandowski Shelley Liebowitz Leonard Ligeski Edward Lis Kurt Martin Nancy Matyunas

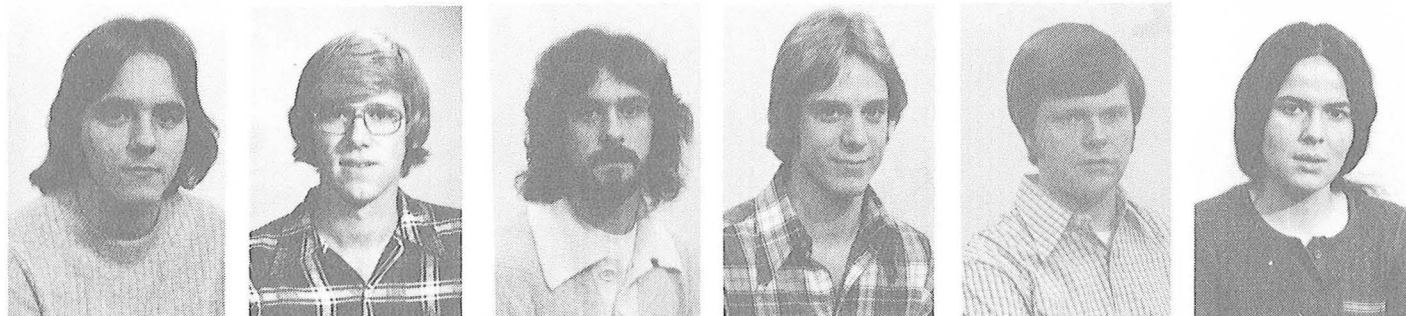
Wayne State University Pharmacy Class 1980



Susan May Debra Mayo Margaret Mazur Zdzislaw Miloboszewski Henry Mioduch Victor Muliolis



James Nadalis Coreen Nakayama Ronald Newell Virginia Pentescu Carol Perkins Paul Petrucci



John Prybylski Richard Rinke Gerald Roberts Craig Rodebach Kim Ross Barbara Ryckman

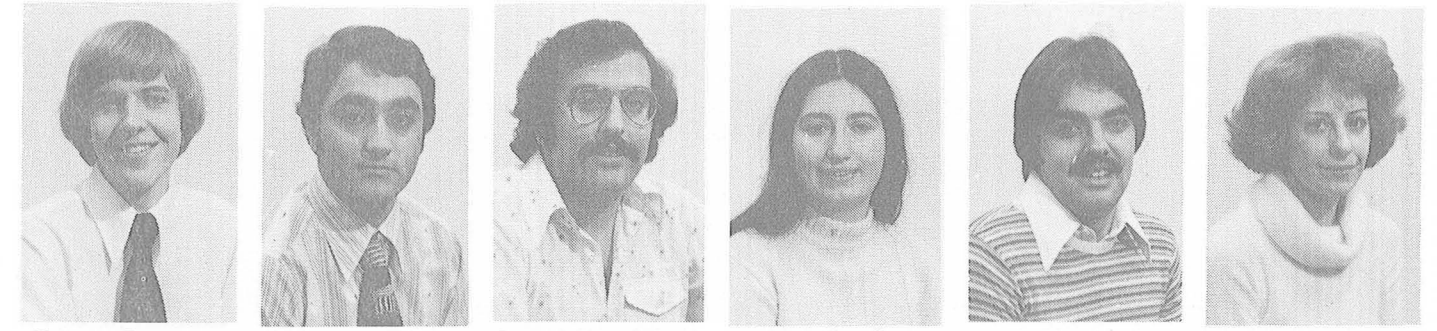


Pedro Saavedra Russell Sayles Marsha Shindorf Alexander Siomka Constance Smith David Smith



James Stevenson Richard Stopczynski Thomas Stuart Mark Sugarman Edward Szandzik Mark Szof

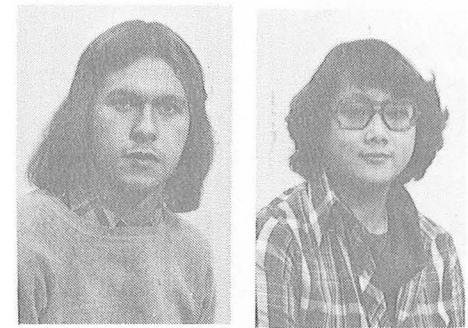
Wayne State University Pharmacy Class 1980



Gregory Szpunar Mohannad Talia Gregory Teraikian Mary Thorsby Jeffrey Trombley Lucy Tyrer



Donald Ventimiglia Jim Wagner Paul Walker Sandra Weiss John Wilczynski David Wilton



Kenneth Woods Margaret Yee

PHOTOS NOT AVAILABLE

Kurt Brandemihl
Robert Christensen
Nancy D'Hondt
Larry Diamond
Daniel Haehn
Keith Hazely
Jeffrie Hite
Thomas Kubic
Mark Kuehn
Daniel Medlin
Mark Putnam

2nd annual RETREAT *By: Chuck McIntyre*

The Second Annual S.A. Ph.A.-M.P.A. Pharmacy Student Retreat was held on January 12, 1980 at Long's Banquet Center in Lansing. The retreat was co-sponsored by the S.A.Ph.A. chapters from Wayne State University, Ferris State College, and the University of Michigan. While only approximately one hundred students participated, this year's retreat was still hailed a success. The retreat featured a program on "Ethics in Pharmacy" and a discussion of the Pharm. D. degree, as well as the Annual Clinical Pharmacy Bowl.

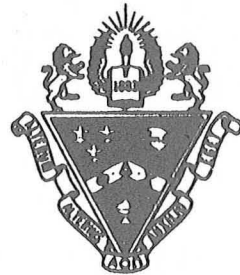
The morning session was highlighted by the program on "Ethics in Pharmacy" by Reverend Francis X. Quinn. Reverend Quinn employed the audience in his presentation by placing individuals into situations requiring ethical decision making. While agreeing on basic fundamental principles, the audience often seemed divided when it came to specific cases. In conclusion, Rev. Quinn emphasized his fundamental principle concerning ethics as being one of personal conscience.

After breaking for lunch, the afternoon session began with a panel discussion of the Pharm. D. degree as the first professional degree in pharmacy. The format was such that a speaker from each of the three colleges presented that college's plan for changing over to the single degree. Deputy Dean Ryan presented Wayne State's plan as one leaving the option for the student to earn either a Bachelor of Science, a Pharm. D., or an M.B.A. degree.

After the conclusion of the Pharm. D. discussion, the retreat moved to the Oak Park Athletic Club for a reception and the "Second Annual Clinical Pharmacy Bowl." Wayne State's representatives were Dr. Andrea Vivian from the clinical faculty and Chuck Gwizdala, a fifth year student. The faculty jumped out to an early lead, and although the student team made a small last minute comeback. The faculty held its lead to avenge last year's defeat. At the conclusion of the retreat, the consensus was that it was a very worth-while experience.

CONGRATULATIONS TO THE
GRADUATING CLASS OF 1980

PHI DELTA CHI
Professional Pharmacy Fraternity



KAPPA PSI MU OMICRON
Kappa Psi Professional Pharmaceutical Fraternity
Mu Omicron Pi Chapter

The Brothers of Kappa Psi would like to congratulate the first graduating Class of the Enchanting Eighties. The graduating Mu Omicron Pi Brothers are:

- | | | | |
|----------------|-------------|--------------|----------------|
| K. Brandemihl | P. Gutowski | M. Kuehn | T. Stuart |
| G. Carrick | C. Gwizdala | H.J. Mioduch | M. Sugarman |
| C. Charlton | T. Hanser | J. Prybylski | G. Szpunar |
| R. Christensen | J. Hite | A. Siomka | D. Ventimiglia |
| D. Corsi | A. Johnson | D. Smith | J. Wilczynski |
| L. Diamond | J. Kawwas | D. Stayer | K. Woods |

The current active Brothers of Mu Omicron Pi Chapter are:

- | | | | |
|----------------|--------------|--------------|----------------|
| K. Brandemihl | C. Gwizdala | W. McIntyre | S. Snider |
| G. Carrick | R. Hacker | M. McLean | D. Stayer |
| C. Charlton | T. Hanser | H. Mioduch | T. Stuart |
| R. Christensen | T. Hill | G. Niemiec | M. Sugarman |
| T. Comai | J. Hite | J. Nygard | G. Szpunar |
| D. Corsi | P. Jablonski | J. Prybylski | P. Temnyk |
| P. Cyprus | A. Johnson | R. Sattler | M. Thibault |
| L. Diamond | J. Kawwas | A. Siomka | N. Tubben |
| M. Eldredge | M. Kuehn | D. Smith | D. Ventimiglia |
| M. Figacz | J. Leach | R. Smith | J. Wilczynski |
| R. Gordon | M. Lebioda | R. Smith | K. Woods |
| P. Gutowski | C. McIntyre | T. Smith | D. Yee |



Rev. F.P. Facione
Co-Grand Council Deputy

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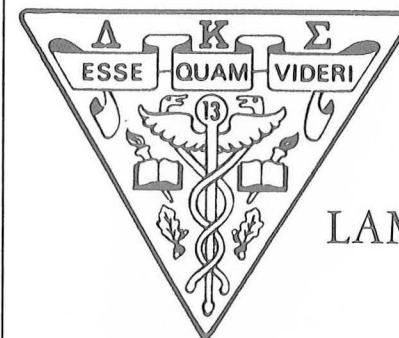
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ACTIVE MEMBERSHIP

- | | | |
|-------------------------|---|----------------------|
| Daina Astasis-Shutte | Pam Geboski | Barb Ryckman |
| Maria Audia | Abbygail Hoffman | Regina Sears (Hist.) |
| Carolyn Berner | Debbie King (PSAB Rep.) | Beth Serling |
| Bonnie Bohl | Mary Kijorski (Pres.) | Rashida Shah |
| Janel Bonus | Jean Kovalchik (Cores. Sec.) | Connie Smith |
| Jackie Burrell | Candace Lamos | Mary Thorsby |
| Vickie Cappellitti | Constance Low | Carolyn Tolbert |
| Joyce Comer | Nancy Matyunas | Kathlene Tomlin (VP) |
| Joan Cosens (Rec. Sec.) | Sue May | Dorothy Vandermay |
| Nancy D'Hondt | Margaret Mazur | Paula Weston |
| Cynthia Filipovich | Charlotte Miller (Chap. & Sgt.-at-Arms) | Doreen Wray |
| Sandra Gates | Coreen Nakayama (Treas.) | |
| | Geralynn Smith (Faculty Advisor) | |

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Wayne State University
Detroit, Michigan 48202