GREETINGS FROM THE CHAIRMAN

Dear Alumnus:

Your Chemistry Department had an action-packed year, granting 95 BS chemistry major degrees, of whom about 40 went on to medical school. The quality of your new fellow-alumni is superb—-5 graduated with honors! Five (the only five!) were summa cum laude---CHRISTINA FREXES, SALVADOR LANZA, ANTHONY RISO, CARLOS SRLANER, EDWARD ABRAHAM, and STEVEN BUKOWSKI. Anthony Riso was doubly honored: for he additionally won a $3000 national Phi Kappa Phi scholarship; Tony is now a UM Medical School student.

Nine graduate degrees were earned this past year. LEWIS HENDRICKS and MARIA VICTORIANO earned MS degrees; TRUDY DICKNEIDER, ROBERT DORDICK, FRANK ETZLER, IGNACIO FERNER, GLADYS LAGE, SOFIA PAPASTIHODOROU, and TANIS PENDLETON completed PhD degrees.

Our total enrollment amounted to about 2100 students per semester, up 2.5%; about 500 were chemistry majors.

In addition to teaching, research, and a myriad of housekeeping chores your faculty has also: G. Clarke continues as Associate Dean, College of Arts and Sciences and had two publications; C. Criss, on leave of absence (San Diego State) for the 1978 Fall Semester, had two publications describing NSF-supported thermodynamic research; T. Cunnings had three publications describing his electrochemical research; R. Doeper had two publications on photolysis of organic compounds; W. Drost-Hansen has travelled extensively, and among other activities presented seminars at the Cernsted Institute, Denmark, as well as co-authoring (with J. Clegg, biology) "Cell-Associated Water." R. Gawley, supported by an American Chemical Society grant, is studying conjugate addition reactions; A. H. Gropp, now teaching full time, continues as an electrochemical consultant to General Motors; C. R. Hare, co-adjudator of the Chemistry Club, travels widely, examining the chemical potential of many South American areas. H. Hubinger, in charge of all freshman chemistry labs, continues to make video-cassette tapes and has been one of the chemistry pioneers in the new Bahamas Academic Program; A. G. Keenan continues to study chemical reactions in molten salts and has again recently published on his latest work; E. H. Man, formerly Dean of Research, now is a full-time member of chemistry—his research, which resulted in two recent publications, supported by NSF, focuses on organic geochemistry. A. P. Mills continues to teach general and physical chemistry.

IN MEMORIAM

Dr. Warren H. Steinbach served the Chemistry Department from 1945 to 1969, most of the time as chairman. He retired to Tucson, AZ, where he lived for 10 years, dying on 14 July 1979; Berdema Steinbach, his wife, had died in November 1977.

His contributions to the Department were many; the best epitaph being written into the history of the Department, some of which is included in this current newsletter. His memory will always be honored by those who now and in the future will continue in the Department, serving the twin professions of teaching and chemistry.
HISTORY OF THE CHEMISTRY DEPARTMENT

The Storm

In 1945 Dr. Warren H. Steinbach joined the Chemistry Department. Born in Genoa, Nebraska, he earned his BS degree (1926) from Hastings College and his PhD degree (1931) from the University of Nebraska. Experience as a public school teacher (1926-27) in Nelson, Nebraska, as Head of the Department of Chemistry (1931-37) at Nebraska State Teachers College, as Assistant Professor of Chemistry (1937-43) at the University of Arkansas, and as Assistant Director of Research (1943-45) Varcum Chemical Corporation, Niagara Falls, preceded his arrival on the UM campus as Professor of Chemistry.

Commencing on 1 July 1945 E. V. Hjort was named Dean of the College of Liberal Arts and moved to the South Campus in November of 1946 as the dean of that campus, but died suddenly in December 1946.

Meanwhile, still in Anastasia Building, called the North Campus, Dr. W. H. Steinbach became chairman of the chemistry department in 1945, a position he was to retain until January 1968, shortly before his retirement in June 1969.

During the two-semester school year of 1945-46, for $300 total tuition, 507 students were registered in chemistry courses, with an extra 312 taking chemistry courses during the summer of 1946 at a cost of $9.50 per credit.

The postwar flood of students was in the offing.

In 1946 Chairman Steinbach made his first additions to the faculty: Ms. Ione Blackburn, a native Mississippian with BS (1944) and MA (1946) degrees from Duke University, joined the faculty as Assistant Instructor, teaching freshman chemistry and also taking responsibility for the departmental office from October 1946 to June 1949. There is no record of the time is of "pandemonium and millions of papers." In 1949 Laura Hoagland joined the office staff, first assisting and then replacing Ione Blackburn. Mrs. Hoagland retired in 1976 and presently (1979) resides in Coral Gables.

Joseph E. Clackin, BS (1930) Washington College and MS (1940) George Washington University, taught general chemistry lectures and laboratories for only one academic year, 1946-47. His spring 1947 teaching load, as reported on 21 April 1947 to the American Chemical Society, was four lecture sections of 75, 55, 40, and 20 students and four sections of lab for a total of 18 clock hours per week.

In the entire 1946-47 academic year 2081 chemistry students were taught within the relatively narrow confines of rooms and labs in the first and second floor of the Anastasia Building; additionally 275 students were enrolled in chemistry courses in the summer of 1947.

Horace B. Huddle, BS (1919) Georgetown College and PhD (1930) University of Chicago, joined the UM chemistry department in January 1947, teaching mainly general chemistry courses. Immediately upon arrival, he commenced a rigorous research program on the components of cedar wood oil. In July 1958 Dr. Huddle, after a leave of absence for 1957-58, joined the faculty of Appalachian State Teachers College as chairman of its chemistry department, whilst visiting in the Miami area during the 1958 Christmas holidays; he died of a heart attack on 17 December 1958.

Jackson P. Sickels, born in Vilas County, Wisconsin, earned the BS (1935) from the University of Oklahoma and the PhD (1939) he earned the BS degree (1935) from Newberry College and the PhD (1940) from the University of North Carolina. After teaching at the University of Georgia (1940-43) and the US Naval Academy (1943-46), he commenced the academic year of 1946-47 as an associate professor in the UM chemistry department; in 1947 he became professor and continued to teach analytical chemistry until his early retirement in 1974. He presently resides at Sebring, Florida.

A tiny office on the second floor of the Anastasia Building housed also the then Chemistry Library, which consisted mainly of Biehstein's "Lexicon der Organischen Chemie!"

Then in 1946 the University started to return to the Main Campus, commencing an hegira which was to be finally completed in September 1947.


from Yale University. After postdoctoral experience at Yale (1939-40), an instructorship at Western Maryland College (1940-42), and industrial experience (Continental Oil 1942-44; American Cyanamid 1944-46), he joined the UM Chemistry Department in December 1946 as an assistant professor; promoted associate professor in 1948, and professor in 1952, he taught mainly organic and biochemistry, retiring at the end of the 1977-78 school year and moving to Sun City, Arizona. As of 1978 his 32 years of continuous service to the UM chemistry department was the most lengthy of any chemistry faculty.

Carl P. Tebeau was the last to join the UM chemistry department for the 1946-47 academic year. Born in Quiton, Georgia, when at long last the old Anastasia Building was emptied of all University functions and destroyed.

Already in March 1945, the Board of Trustees, spearheaded by Oscar Dooley, started the return to the original 1926 campus site—the Main Campus—expanded, thanks to gifts and mortgage redemptions, to 245 acres This forward view was fortuitous; for the University that had opened to so few full-time students (372, 1926), and grew only slightly (720, 1936; 1,128, 1941), on 12 October 1945 opened with a full-time enrollment of 1,614 students (of whom 197 registered in chemistry courses); 3,075 students registered in February 1946, of whom 310 were in chemistry courses! Continued, p. 3, column 3—
MUCH 'N LITTLE FROM OUR ALUMNI

Many alumni have contacted the Department by phone, visit, or letter. We loved hearing from you; your fellow-alumni love to hear about you! Please keep in touch.

ROBERT J. ALAIMO (BS '61; PhD, Cornell '65) attended the Miami national meeting of the American Chemical Society in September. Like several others, he stopped by for a visit. Now residing in upper-state New York with Mrs. Alaimo and their three children, he is chemical support unit leader, organic chemistry section, Norwich-Eaton Pharmaceuticals, Norwich, NY.

EARL BRILL (BS '57; MS '58; PhD '62) is now Associate Professor of Pharmacology, UM Medical School, with much of his effort targeted on cancer research. Dr. and Mrs. (Shirley) Brill are sending their lovely daughter, Kathy, to UM commencing 1979; she will be in our chemistry classes about a quarter-century after her father!

One of the alumnae who helped us with our April 1979 Alumnae Phone Campaign was ANN (CASSET) FREEMAN (BA '44). Her account of students in the early forties was as fascinating as talking with you—all over the phone. A year-end party for the members of the Chemistry Honor Society at Dr. Hjort's home also included a party at the Freemen's, at whose feet all literally sat while he recited his poetry! After five early years in biochemical research at Mt. Sinai in New York, Mrs. Freeman returned to Miami. Married, she and Dr. Freeman (an otologist), have four daughters. In addition to her academic activity, Mrs. Freeman helps her husband with technical papers, likes reading chemistry books, and also records the blind.

The Christmas 1978 holiday season saw WILLIAM H. CHUBBLE (BS '69; PhD '74) of Houston, TX walk into the office. Dr. Chumble, looking very much the football player he was whilst an undergraduate major in chemistry, now has a desk job as planning coordinator with Continental Oil Company, Houston, TX. Have you got any extra gas, Bill?

Dr. YOUNG SANG CHO, who from 1975-1977 was a post-doctoral appointee in the Chemistry Department, sent an evocative and beautifully printed Christmas greeting card from Seoul, Korea.

WILLIAM D. CLARK (BS '50; PhD, Oregon '54) responded to last year's newsletter with a long, interesting, and humorous letter recalling "das studenten Lebens" of long ago. Dr. Clark, now of El Segundo, CA, has had numerous fascinating experiences in every facet of physical chemical research, business, and teaching. He was chief executive officer of Kopat-Caslon, Inc, 1969-75, and founder of Four-Zero Company, 1977. He asks of the whereabouts of a Prince Brigham, at UM in the mid-forties.

On a cool December 1978 day MORRIS J. DANZIG (BS '49; MS '51; PhD, Tulane '53) spent a half-day en route through Miami to Columbia, SC. The years have left him a bit distant from Dr. Danzig. Now Vice President of Research and Development at Proctor and Gamble in Argoe, he leaves with Mrs. (Kay) Danzig and two sons in nearby Skokie, IL. As hobbies it seems he serves on the boards of banks and other chemical companies!

ROBERT B. DAVIS (BS '58; MS '61; PhD, MIT '65) was another alumni who visited Miami as a consequence of attending the September ACS meeting. Dr. and Mrs. (Fron) Davis and their four lovely children reside in Dedham, MA from whence he commutes to the Fabric Research Labs of Albany International Labs.

LAWRENCE DORF (BS '76) also visited Miami in the 1978 Christmas season. At that time one-half through the medical degree at the Autonomous University of Quadalajara, Mexico, Larry's enthusiasm for his studies was positively infectious (no pun!)

FRANK ETLZER (PhD '78) and his wife, JUDY, sent us 1978 holiday greetings from Minneapolis, where the couple resides while Dr. Etlzer is post-doctoring in physical chemistry at the University of Minnesota.

A most welcome and surprising visitor was MORTY MINK (BS, Northwestern '50; MS '52; PhD, Wayne State, '56) who, with his mother, graced our office with their presence on 2 March 1979. Dr. Mink, chairman of the chemistry department at Arizona State, is most obviously a sterling educator, for the son of Dr. and Mrs. (Rose) Mink begins graduate school in chemistry at Berkeley this fall 1979! It is interesting to recall that Dr. Calvin Stevens, Wayne State, who directed the PhD research of Dr. Mink, is now a frequent winter-quarter Visiting Professor here at Miami.

Rather recently we saw the little baby boy of PAMELA (PAXTON) ZELEMER (BS, Penn State '67; PhD '77), whom she received her degree under the aegis of K. Weisman. It was a bit of nip-and-tuck as to whether Dr. Zelmer would first be a mother or PhD!

DENNIS T. RANSKI (BS '75; MS, Marshall U. '78) sent us a Christmas greeting from Boston. However, no further news of his activities is being done at this time. Is all OK on the professional front, Dennis?

VICTOR K. RUBOVSKY (BS '47; MS '50) executed his graduate research in the field of electrochemistry under the supervision of C. P. Tebeau. Not long ago he stopped by for a brief visit, looking as slim and trim as when he graduated a third of a century ago! In a way he has remained electrically oriented; he is now Division Manager, Distribution, Southern Bell, in Miami, FL.

MARIO A. SAINZ (BS '78) wrote to Dr. Keenan from Detroit, describing his graduate studies in chemistry at Wayne State, and mentioning he had seen HAL BUTLER (BS '78) who was likewise starting his graduate training at Wayne State. Mario mentioned that he was working towards the PhD degree under Dr. D. M. Coleman, in analytical chemistry.

SUSAN (SCHNEIDER) COLE is a very broad-spectrum lady (BS '71; MS '74; JD '78), who after completing an MS degree in Chemistry, earned the JD in Law! On 1 June 1979, we received an announcement that she has been made as associate of the Miami Law Firm of Bradford, et al. There are probably few law firms that have at their command the extensive background of barrister Cole, who, reinforced also by the scientific background of her husband, Philip J. Cole (and their lovely little daughter), elides so well the realms of law and science.

KATHRYN S. SCHWENZER (BS, SUNY, Buffalo '70; PhD '74) wished us a jolly holiday season last Christmas from Guiney, IL, from where she commutes to a job at Argonne. Cross country skiing and racquetball are her outside hobbies now, which despite a leg-breaking accident that placed Dr. Schwenzer in the hospital when in graduate school, she pursues very well, "in far better shape than 1 ever hoped!"

A lovely Christmas card, reproduction of a silk print by Wai-Tuk Lo, was received last Christmas from PETER WHITMAN (BS '65; MS '67; PhD, Wisconsin '72) and his lovely wife FRAN. Dr. Whitman visited us last September, then with Fran and the three children, Andrew, Michelle, and David, stopped off at Disney World, Orlando, FL, on the way back to Hamden, from whence he commutes to the organic laboratories of Upjohn in Groton, CT.

History, from p. 2...

In 1946-47 the first permanent building on the main campus was constructed and completed—the Memorial Classroom Building, 680 feet long, two wings (north, two-storey; south, three storey), and with the 290-seat Beaumont Lecture Hall between the two wings. Freshman chemistry lectures were held from September 1947 on in the Memorial Classroom Building, with the advanced chemistry laboratories located nearby in a large wooden temporary building, C-1. However, all other chemistry courses continued to be taught in the North Campus, Anastasia Building.

The fall 1947 presented a vastly different academic scene than had any one of the prior 20 years. Total enrollment for the academic year 1947-48 was 8,056, with 2222 in chemistry courses, very many of the latter taking freshman chemistry courses for the first time on the main campus. And a new group of students was also in the chemistry department—graduate stu...
$30,000. Our current thinking is that Chemistry should acquire an open-end MASS spectrometer (to which ancillary equipment can be added) at about $45,000. Such an instrument would be used for senior courses and research.

A Hazeltine 1510 computer tie-in was also added to our scientific armory. Chemistry bought the separate units ($2,000), and two talented graduate students, C. BRAUN and K. SNELL, hooked them together. One almost feels as if 2001 AD has arrived as one "talks" via phone to our central Univac 1100/81!

Thanks to your generosity the Chemistry Alumni Fund presently stands at $5,504. As a consequence of our telephone conversations with you last April 1979, about $5,000 of pledges were received. I had planned to list by name those who have sent us gifts, but the list is so extensive, that my personal letter thanking you for your support and help replaces the list. I'll reiterate those thanks as I close this letter to you!

Thank you for caring; have a good year.

Harry P. Schultz

History, from p. 3---

dents. Commencing in the fall term 1947, the chemistry department offered the MS degree in chemistry, with two students in the program: CHARLES HARGIS (MS, '48) and SEYMOUR YOLLES (MS, '48; PhD, North Carolina, '51).

The size of the UM chemistry faculty was again increased when in 1947 four more additions were made: F. W. Davis, R. B. Ellis, J. Moffat, and H. P. Schultz.

Fred W. Davis, BS and MS (1927, 1928) University of North Carolina, served the University for two years as instructor in chemistry, teaching general chemistry on the main campus, and transferring to the UM Marine Laboratory in June 1949, later moving on to industry.

Dr. Richard B. Ellis RA and PhD (1936, 1940) Vanderbilt University, joined the University as assistant professor, teaching principally physical chemistry at the undergraduate and graduate levels. In June of 1951 he removed to the Southern Research Institute.

James Moffat, with degrees from Alleghany College (1942, BS) and Northwestern University, (1948, PhD), served as assistant professor in the UM chemistry department for two academic years, 1947-49.

Harry P. Schultz, born at Racine, Wisconsin, earned the BS (1942) and PhD (1946) degrees at the University of Wisconsin. After two years in industrial chemistry with Merck and Company, he joined the UM chemistry faculty in September 1947 as an assistant professor, becoming professor in 1952.

Early on initiating a research program in heterocyclic organic chemistry, H. Schultz taught organic chemistry at the undergraduate and graduate levels, as well as supervised numerous MS and PhD dissertations. Eventually Professor Schultz became chairman of the department (1972), a position he holds in 1979.

A complete picture of the new, postwar, UM chemistry department shows four professors (D. Cook, H. Huddle, W. Steinback, C. Tebema), one associate professor, two assistant professors (R. Ellis, J. Moffat, H. Schultz), one instructor (F. Davis), three assistant instructors (L. Blackburn, (Mrs.) S. Wallman, S. Yolles), four graduate assistants (J. Knobart, H. Newman, R. Polansky, S. Wallman), three research assistants (R. Ervin, C. Hargis, V. Rubovsky), a stockroom employee (T. Skaggs), and several student helpers. (Paid 60 to 75 cents per hour!)

The Chemistry Department was the focus of activity for large numbers of preprofessional students. Highly motivated, energetic, and talented, already in February 1948 a premedical club chaired by NORMAN WAITMAN, BS '48, was formed by this group of eager students. RICHARD McALLISTER, BS '49 (MD, Temple U., '52), ROBERT STANTON, BS '48 (MD, Temple U., '52), JOSEPH GEORGE, BS '49 (MD, Georgetown, '53), and IRIS KIEN, BS '48 (MD, U. N. Carolina, '52; MPH, U. Pittsburgh, '55) also served as officers with W. H. Steinbach as advisor and E. M. Miller (chairman, zoology) as sponsor. In April 1948 the group petitioned Alpha Epsilon Delta, national premedicalehonorary society, for inclusion in the parent organization, and as Florida Gamma became the 47th premedicalehonorary club in the USA to ally itself with AED.

The UM chapter of AED has been one of the longest lived and most active student organizations on the campus, and has been continually sponsored by the Chemistry Department, with H. P. Schultz as advisor 1948-62, C. H. Snyder 1962-70, G. A. Clarke 1970-78; currently (1978-on) A. H. Gropp is the AED advisor.-- continued

Five USA chemists to win the Nobel Prize who were named in the anagram in Volume 2 of UM-CHEM were: Woodward, Richards, Pauling, Summer, and Stein.