GREETINGS FROM THE CHAIRMAN

Dear Alumnus:

With the passage of time, each year there arises the pleasant opportunity to write this letter to you.

The Chemistry Department has been an active one during this past year. To begin, I'd like to write you about our newest graduates—your newest fellow alumni.

Three graduate degrees were granted: CHESTER BRAUN earned the MS degree with W. Drost-Hansen; Chet is now with McDonnell-Douglas Company in St. Louis. ENRICO TERMINE AND RAYMOND FRENCH earned Ph.D. degrees under the aegis of R. Gawley and C. Criss, respectively. Dr. Termine is now with the Dow Chemical Company in Michigan and Dr. French is with the Shell Development Company in Houston.

Eighty students earned the B.S. degree in chemistry (whch out of 600 American Chemical Society approved chemistry programs in the country puts UM about thirteenth on the list), eight of whom were professional chemists and seventy-two were premedical chemistry majors. As of this writing four of the professionals are in graduate school and as near as data permit an assessment, thirty-five of the premeds received fifty-six offers from various medical schools. About half of the premedical chemistry majors are at Miami's medical school. Thirty-seven of the above B.S. graduates were honor students! One of the new graduates, CARL FREIDHOFF, received from you—all the "Chemistry Alumni Honor Award" of 1981—a Merck Index, ninth edition, which was given him by you at our University Honors Convocation ceremony on 12 March 1981, held in the Gusman Music Hall.

Chemistry had 2% more students this year than last, but the modest increase over that of the prior year (19%) indicates that very likely an enrollment plateau has been reached.

Some changes were made in the undergraduate chemistry program. Advanced analytical chemistry had its format changed, with CHM 304, three lectures and one lab, focused upon spectrometric organic chemistry, now taught in the fall. Chemistry 316, also lab-lecture set-up concerned with the theory and application of modern methods of analysis used for quantification, is taught in the spring. Chemistry's 103-104-105-106 sequence, under the aegis of E. Man, is being aimed even more strongly at the needs of the terminal chemistry student, such as students of nursing and physical therapy. Modest elements of biochemistry are melded into a two-semester sequence of lecture and laboratory. And for the first time C. Snyder's popular Consumer Chemistry course was taught in the spring semester for three credits, instead of two one-credit courses spread over the entire academic year. And this last summer chemistry, under the aegis of C. Snyder, sponsored a workshop which prepared students for the MCAT exam. The workshop, limited to 40 UM students, was favorably and enthusiastically received.

Thanks to grant funding, the freshman chemistry labs purchased four digital read-out, top-loading balances (replacing three times that number of the old-fashioned balances), the last sorely needed items to provide a sound laboratory experience that places our students in a splendid competitive experience in the national scene. With your help we plan to concentrate in the next year on similarly raising the instrumentation capacity of the sophomore and junior analytical labs. Already T. Cummings and R. Doepker have gotten a grant for a fluorometer for the analytical courses.

Under the leadership of K. Wellman, and greatly aided by the Dean of the College, Chemistry is now continued, p. 4, column 1----

GOODBYE-HELLO

We are sorry to tell you that Armin Gropp retired last May 1981; here, adjacent to the these words, is a farewell picture of our highly esteemed colleague and friend. Few of us on the UM faculty have served your University in so many ways. From 1947 to 1964 Dr. Gropp served the University of Florida in every grade of professor, and also as a chairman, as well as a dean. In 1964 Dr. Gropp came to the University of Miami as Dean of the Graduate School, which role he played for a year, then becoming Vice President and Dean of the Faculties in 1965, Director of Institutional Research in 1972, and since 1975 serving full time as Professor of Chemistry. Although born in Wisconsin, Professor Gropp began his technical career on the west coast, earning his B.A. (as a Phi Beta Kappa) from the University of Oregon in 1943, with the Ph.D. (1947) also earned from Oregon. Professor Gropp will continue residence in the Miami area, with consulting trips (re-electroplating) to General Motors at intervals.

A. Gropp  C. Hoff

Replacing Professor Gropp, as a tenure-track assistant professor, is Dr. Carl D. Hoff who joined us just this last August from the chemistry faculty of Kansas State University. Dr. Hoff earned both his baccalaureate degree and the doctorate from the University of...
HISTORY OF THE CHEMISTRY DEPARTMENT

4. Building Up—Cont’d.

As best as available information discloses, from 1926 through 1967, 44 BS graduates had gone on to attain graduate degrees in chemistry; 39 MS graduates (1948-67) had earned the PhD degree.

And gradually, as other units vacated space in the Anastasia Building (Law, 1954; Engineering, 1957) the Department expanded, mainly constructing much needed research facilities in the vacated areas on the first and second floors of the building. (The Biology Department, as of 1965 an amalgamation of the Botany and Zoology Departments, similarly expanded into mainly the third floor of the Anastasia building).

In July 1962 Henry King Stanford replaced Jay F. Pearson as president of the University. Coming from the presidency of Birmingham Southern College, Dr. Stanford immediately instituted meetings with every facet of the University. The dismal physical circumstances of the science departments, the expanding professional vigor of said departments, coupled with the charismatic empathy of Dr. Stanford moved the Biology and Chemistry Departments from a position of immobility to one of expansion.

(Jay F. W. Pearson continued to serve the University as chancellor, working in a downtown office, until his death on 8 August 1965).

In 1963-66 innumerable hours of planning, sketching, and conferences with representatives of the architectural firm of Caudell-Rowlette-Scott of Houston, TX, resulted in plans for the new Cox Science A Building to be constructed on the University main campus.

Construction commenced in 1965, resulting in a four-story, (basement plus upper floors) monolithic, concrete building of 182,000 ft²—79,000 ft² of which represented traffic and unusable space; 34,000 ft²—(all of the top storey and portions of the second, first, and basement floors) were apportioned to the Chemistry Department.

The move of all occupants (Biology and Chemistry) from the Anastasia Building to the Cox Science Building was efficiently planned and supervised by central administration assistant ROBERT FUERST (BS '49), in time for the Fall Semester 1967.

5. CHANGING OF THE GUARD.

With the Department move into the Cox Science Building on the main campus of the University, the search for a new chairman was intensified. Already in the early sixties general Department ambition for a much more vigorous professional thrust had instituted letters and contacts with other chemistry departments seeking advice and counsel about new Department leadership. Indeed, gently fostered by M. Morton Miller, Dean, College of Arts and Sciences, several visits to the campus occurred in mid-sixties, among them Joseph Boyer (then with the Washington office of the American Chemical Society) and Loren Hepler (then with the University of Louisville).

A Department search committee chaired by A. G. Keenan was active in the six-month period preceding the Department transition from the old North Campus to the Main Campus, and on 18 August 1967, coincident with the move itself, Clarence G. Stuckwisch by letter to Louis L. McCartney, Dean of the College of Arts and Sciences, accepted the appointment as professor and chairman of the Chemistry Department, beginning 1 February 1968, the spring semester.

Clarence G. Stuckwisch, born in Seymour, IN, earned the AB (1939) from Indiana University and the PhD (1943) from Iowa State University. Preceding his arrival at Miami C. G. Stuckwisch was on the faculties of the University of Wichita (now Wichita State University), Kansas (1943-60), New Mexico Highlands University (1960-64), and SUNY at Buffalo (1964-68). A well published organic chemist, he continued an active research program at Miami, whilst working on Department reorganization. In 1972, C. G. Stuckwisch became Dean of the Graduate School at Miami, and in 1981 was named Acting Provost.

Four new faculty members were added to the permanent roster of the Department.

George A. Clarke, born in New York, earned the BS (1955) from CCNY and the PhD (1961) from Pennsylvania State University. He came to Miami in 1971 with teaching experience at SUNY, Buffalo (1962-68) and at Drexel University (1968-71). A theoretical chemist, G. Clarke was also active within the University as a member of the Florida Heart Fund. A charismatic and vigorous individual, G. Clarke was appointed associate dean of the College of Arts and Sciences in 1978; presently he is active on a part-time basis in the Department, teaching and researching.

continued next year-----

Goodbye-Hello, from p. 1----

Missouri (Kansas City), also doing post-doctorate research at the University of Georgia and in Hungary (from whence he brought home his lovely wife, Aniko, and a dear, little son). C. Hoff is an inorganic chemist with research expertise in bonding organic units (such as pentadiene, methane, benzene, etc) to metals (such as tin, tungsten, iron, and boron).

Additionally serving the chemistry department as a research assistant professor is Dr. Pamela (Paxton) Zelmer (BS, 1967, Penn State; PhD, 1977, U. Miami), who came over to the Chemistry Department from the marine science institute and is now working with R. Man in a team study of the degradative changes that occur in chlorophyll as heat and pressure over the ages squeeze down on deposited vegetation.

We are also fortunate to have Dr. Robert Dordick (BA, 1973, Susquehanna U.; PhD, 1979, U. Miami) teaching this year in place of Dr. Curtis Hare, who is on leave of absence as an industrial consultant throughout this western hemisphere. R. Dordick joined us from Toledo, where he was on the staff of the Medical College of Ohio.

Our splendid support staff also, saw a change, for Terence Holmers, who has so efficiently for three years supervised our chemistry stockroom and teaching labs, took a big step upwards last July when he joined the UM Computer Center administrative staff. Terry had been studying in the UM Computer Sciences Program for several years, and became well qualified for his transfer. Terry's place has been taken by James Metcalf, who also has a strong background of chemistry and biology.

Gloria Cooper "processing" our letter
From the chemistry department of Saint Joseph College we received a sort of interim letter from TRUDY DICKNEIDER (BS, 1968; St. Joseph College; PhD, 1979). On the threshold of a change in positions, Dr. Dickneider writes, "Gradually, I have come to realize that I am not happy where I am. My work, my family, my friends, my leisure activities, all contribute to my general well-being, and I hope you will write and tell us what you are now doing, Trudy.

In the middle of the afternoon on last 23 March 1981 tall, silver-haired JOHN DRUMMELER (BS, 1949; MS, 1950; PhD, 1954, California) walked into the office. After almost 30 years, he looked the same—smile, vibrant personality, and all. As a student at UM in the late forties, Drum was so fascinated with us with his stories of the air war in which he fought in the South Pacific, and similarly on that Monday afternoon he graphically described his industrial career up to the present time. Dr. Drummeler and his lovely wife, Ina, have lived for about 10 years in Mexico City, where Drum is president and general manager of Cia. Sherwin-Williams, S. A. de C. V.

HOPE ELLIOT (BS, 1980) informed me by a greeting card last Christmas that medical school (Miami) was going great, and that she was enjoying a molecular medicine course.

CARLOS FERNANDEZ (BS, 1969; PhD, 1974) has moved away from the midwest out to the eastern seaboard. Via his PhD mentor, A. C. Keenan, we heard that Dr. Fernandez is now with Olin Corporation in New Haven, as a group leader of the chemicals group. He describes his new area as a beautiful part of the country, a beauty enhanced by the Yale University campus. Everyone of us at UM wish you well at your new location.

Well over a quarter of a century ago I said goodbye to a wonderful student, JAMES HAMMES (BS, 1951; MD, 1955, U. Wisconsin), who now practices medicine in Racine, WI. Last fall I greeted both Dr. Hammes and his son, James C. Hammes, in our office; it was the beginning year for Mr. Hammes, who, in his father’s footsteps enrolled in our freshman chemistry course. Dr. Hammes commented on the extensive changes that had occurred in both community and campus since he had been a student at Miami.

LEONARD LEVY (BS, 1965; MD, 1969) was a most welcome voice in my office last winter. After a stint in general surgery at Albert Einstein School of Medicine and thoracic surgery at the University of Virginia, Dr. Levy located in Miami. He now does a great deal of cardiac, thoracic, and vascular surgery, mainly at Baptist Hospital.

It was so interesting to talk with ELLIS MERLIN (BS, 1975) last April. Ellis is now in Cleveland where he works in the analytical department of Harshaw Chemical Company, and also is in the MS program of John Carroll University. His wife, Patricia, has an absorbing position—Director of the Ruffing Montessori School.

From San Francisco JEAN HELLENBOGEN (BA, 1948) wrote us last Christmas concerning the alumni letter. I do enjoy writing the news for you all; you, too, keep your news coming.

CHARLES NELSON (BS, LLB, 1950), formerly President of Hart Drug Company, sold same way back in 1960, and now resides in Indian Harbor Beach, FL, where he is interested in real estate. I envy your ring side seat at the launching pad of NASA activity!

DENNIS RANSKY (BS, 1975; MS, 1978, Marshall U.) sent Christmas greetings from Dearborn, MI, so I presume he is still with Ford Motor Company; right, Dennis? In December 1980 an attractive, engraved announcement came to my desk that listed the name of SUSAN (SCHMIDLING) COLE (BS, 1971; MS, 1974; JD, 1978) in the Miami law firm of Kimmel, et al., as well as the relocation of its offices.

On 6 March 1981 the office phone rang and brought to my ears the voice of HARVEY SCHWENZER (BS, 1970, SUNY Buffalo; PhD, 1974). Dr. Schwenzener wrote from Gurnee, IL, that she still is on the staff of the research laboratories of Abbot Labs at North Chicago researching in "a lot of different areas—from chemistry to biology and medicine." Her professional activity was attested to by reprints from the Journal of the National Reye's Syndrome Foundation and Hormone and Metabolic Research on such diverse topics as "Metabolic Studies of Survivors of Reye's Syndrome and their Families," and "Hormone Responsiveness of the Lipoma: A Tumor of Adipose Tissue." With all that writing which you do, Kathy, we are truly grateful for your taking that extra time to write us.

Last fall BRUCE SNYDER (BS, 1964; MD, 1968) now Associate continued, p. 4, column 2.
Greetings, from p. 1——

building a wealth of experience with microcomputer hard and soft ware.

TRX80, Models I and II, have been available for a year to faculty and students, and a wealth of interesting results have been the consequence. In early March Dr. Wellman connected up the gas chromatograph used for an experiment in the CHM 203 (organic) lab, and via a suitable interface, the conversion separation curve was pictured on the TV screen of the minicomputer, as well as being drawn by the printer attached to the other side of the computer! TRX80 Model II minicomputer and word processor were purchased with funds provided by you, and now in the central office (with an attached metal tag that reads "GIFT-1981, UM CHEMISTRY ALUMNI") makes it possible for Gloria Cooper and Roberta Manning to type the much greater volume of technical publications and research proposals that your chemistry faculty is putting out. If your business has outdated TRX80 types, remember, please, that they can be donated for tax credit to your Chemistry Department, where the computer would be interfaced with experiments in our undergraduate student labs.

Last year was an active research year for the faculty! A dozen juried papers were published, seven research proposals were funded, and 36 professional speeches were delivered. C. Criss, W. Drost-Hansen, E. Man, W. Purcell, H. Schultz and M. Van De Mark received grant support from industrial and federal sources; three faculty members, C. Criss, R. Doepker, and W. Drost-Hansen, were invited to give papers at various European symposia; A. Keenan and graduate student KENNETH SNELL won for Ken at Tallahassee last May the state ACS award for this year's best presentation of a physical chemistry paper.

Chemistry was proud to take a great research step forward when on last 5 December 1980 at a mini-ceremony described in our College newsletter, our new AT80 multi-purpose nuclear magnetic resonance spectrometer started operation. Our thanks to you; your gift, added to outside funding attracted by R. Gavley and University investment in a stronger research program, helped to purchase and install the $90,000 computer-controlled instrument.

This coming year we plan to increase the size of our faculty by adding another analytical chemist, someone to help T. Cummings expand our professional and graduate programs of analytical chemistry. If you know of an analytical chemist that you'd recommend as a tenure-track assistant professor, please call us.

And now, once again, I'm near the end of my letter——our conversation between us. We expect a big, new year, with a new O.M. President, Dr. Edward T. Foote II, who took over from Dr. Henry King Stanford in June 1981. And next year I'll be anxious to tell you all that happened.

Goodbye for now, and thank you for caring. — PH. SHELBY

Alumni, from p. 3——

Professor of Neurology at the University of Minnesota School of Medicine, in a pithy and humorous letter, recalled the old North Campus Building, where he studied both organic and analytical chemistry. He informs us that now he is studying "the delineation of the clinical course of anoxic encephalopathy after cardiac arrest, the pharmacokinetics of hyperosmolar agents in clinical settings, and———affects of lecithin on human memory disorders," and enjoying every minute of his research. It's a long way from the synthesis of bromobenzene in our old lab, isn't it, Doctor Snyder?!

REGINA TAKARSKI (BS, 1978) stopped by my office last December 1980, informing me that she is now working at Coulter Diagnostics in Miami, and had recently transferred out of the organic chemistry lab into hematology.

Not only did I correspond with HOWARD TIRSCHWELL (BS, 1962; DDS, 1966, U. Michigan) during the last year, but I also enjoyed an extensive phone conversation with him, as well. Dr. Tirschwell continues to practice dentistry in Corpus Christi, TX.

I heard really great news from JUAN VILLA (BS, 1965; PhD, 1969) who is professor of chemistry at Lehman College, of the CUNY system. Dr. Villa was named Acting Dean of the Division of Natural and Social Sciences, as well as teaching inorganic chemistry at all levels, and so well at the freshman level that he has been named "Mr. Freshman Chemistry." He and Elena (who graduated from Barry College) have four children.

Also at Christmas last year I enjoyed greatly hearing from ARTHUR WAINER (BS, 1957; PhD, 1961 U. Florida). Dr. Wainer has had an active professional life since leaving Miami and earning his PhD, for after several years on the faculty of the Bowman Gray School of Medicine (during which time he published in the areas of sulfur amino acid metabolism and column chromatography), he joined the chemistry faculty of Edinboro State College, PA. Last December Dr. Wainer was named Acting Dean of the School of Science and Mathematics at Edinboro, a school housing the six departments of Allied Health Sciences, Mathematics, and Physics. Congratulations!