

A REPORT OF
SABBATICAL LEAVE
Spring Semester
1974 - 1975

Presented to the
Faculty, Administration and
Board of Trustees of
Mt. San Antonio College

by George H. Munday
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STATEMENT OF PURPOSE

We, in the Drafting and Design Section of the Industrial Technology Department, are involved in assisting young people in career preparations. It has always been my desire to guide our students into relevant positions which meet industrial needs as well as the needs of the individual; hence my interest in pursuing the Masters of Arts in Vocational Education (M.A.V.E.). The program at California State University, Long Beach, has enabled me to update my knowledge of new approaches to career planning, preparation, and placement.

This sabbatical leave time gave me the opportunity to complete the course work as required for the M.A.V.E. degree. It was my original intention in requesting a one year leave to complete the entire program, including the required thesis, but due to the many requests for leave this year, some of us faced denial of leave and therefore I accepted a one semester term which did not provide enough time for the research and development of the written thesis. I have though, as verified in transcript, made satisfactory progress in the preliminary development of the thesis problem which deals directly with our students and the curriculum here at Mt. San Antonio College.

My travel is directly beneficial to my architectural and mechanical students as my visits took me to historically significant buildings as well as industrial plants. My personal interest and varied background in both major drafting areas helps the beginning student to select his or her area of development.

I visited many places of general interest which I feel helped develop a better understanding of people and their needs. I have most certainly developed a greater attitude of appreciation for the "MSAC way" as I see the educational process in other schools.

I am most grateful to the Board of Trustees and the administration of Mt. San Antonio College for this opportunity.

MASTERS OF ARTS IN VOCATIONAL EDUCATION PROGRAM
AT CALIFORNIA STATE UNIVERSITY, LONG BEACH

VE 499 Special Topics - 2 Units

This class, directed by Dr. Paul J. Riordan, Director, Career Education, of the Santa Ana Unified School District was designed to develop an awareness of many aspects of career education development, promotion, and management. We participated in such activities as:

1. Promotional Brochure Design and Distribution - we visited the central Santa Ana District Printing Department. Our host explained the basic rules in good design, demonstrated their modern printing process and distribution.
2. Career Educational Advisory Committee - we attended the first developmental advisory meeting for the entire career education district program. In attendance were representatives from community labor organizations, industrial management, hospital personnel including doctors and dentists, etc. Our observations included good techniques of organization of various professional people to a common cause in education, that of better education.
3. Data Processing - our host at the Santa Ana District Office described their process center. Of particular interest is

their system of student records and the rapid retrieval of student involvement, including classes attended, grades, attendance record, etc. by the school counseling office. No waiting. The counselor may, in a matter of seconds, get all the current, pertinent information desired.

4. R O.P. and R O.C. Programs - we visited a number of the career programs both as concentrated centers (R.O.C.) such as S.C.R.O.C. in Torrance and the joint operated programs (R.O.P.) most frequently located within a functioning business or district simulated business operation; e.g., cafeteria/food services, etc.

M.A.V.E. - California State University, Long Beach (Continued)

VE 697 Directed Studies - 3 Units

This class is designed to assist the M.A.V.E. candidate in procedures for definition, research and presentation of the thesis or project.

I chose to develop a project which would eventually lead to a follow-up survey of all our Mt. San Antonio College drafting students.

With the assistance of our department instructors, Director of Vocational Education, and the Mt. San Antonio College Records Office, I was able to compile a card file of our students, going back ten (10) years. I established three categories:

1. Related Student (non-drafting major)
2. Mechanical Drafting Major
 - a. Graduate
 - b. Non-graduate
3. Architectural Drafting Major
 - a. Graduate
 - b. Non-graduate.

It is my desire to maintain currency of this list and conduct a future survey of our students' successes.

VE 698 Thesis

I had chosen a project to meet the thesis requirement entitled "Career Placement of the Drafting and Design Graduate from Mt. San Antonio College." With tentative approval of this idea, I proceeded to research and identify these people. After many hours spent, both on my part and also the generous cooperation of the Mt. San Antonio College Placement Office, I proceeded to my

thesis committee for final approval. The chairman was effective in convincing me to pursue a more meaningful type of survey, that of the employers. Obviously too late to meet California State University, Long Beach deadline dates for completion of the project, I did develop, though, a list of employers and a proposed survey questionnaire. Upon approval from my committee and the Mt. San Antonio College Office of Vocational Education, I will conduct this survey which includes personal visits and interviews with key persons who are knowledgeable in the needs of trainees. I am certain the resulting data will be meaningful for future curriculum planning in our department.

TRANSCRIPT OF COLLEGE CREDITS
Spring Semester 1974-75
CALIFORNIA STATE UNIVERSITY, LONG BEACH

CALIFORNIA STATE UNIVERSITY, LONG BEACH

STUDENT GRADE REPORT

EXPLANATION OF MARKS

Grade	Grade Pts.
A Excellent	4
B Above Average	3
C Average	2
D Below Average	1
F Failure	0
I Incomplete	
W Withdrawal	
AU Audit	
SP Satisfactory progress in course requiring more than one semester for credit.	
RD No grade submitted by instructor	
CR Credit allowed	
NC No credit	
P Passing	

MUNDAY GEORGE M
681 E KINGSLEY AVE
POMONA CA 91767

DEPT.	COURSE NUMBER	COURSE TITLE	UNITS ATTEMPTED	UNITS EARNED	GRADE	GRADE POINTS
V E	699	THESIS	10	10	SP	10
V E	499	SPECIAL TOPICS	20	20	A	80
V E	697	DIRECTED STUDY	30	30	B	90
1975 SPRING SEMESTER TOTALS			50	50		170
CUM GPA 3.69 CUMULATIVE TOTALS			260	260		960
551382541 MAJOR 1027			CLASS 5			

Form 2220

CUMULATIVE TOTALS OF UNITS ATTEMPTED AND GRADE POINTS ARE FOR WORK COMPLETED AT C.S.U.L.B. ONLY.
A STUDENT IS AUTOMATICALLY ON ACADEMIC PROBATION IF HIS G.P.A. IS BELOW 2.00

The above student Grade Report is the only transcript of record available at this time. I will be glad to furnish an official complete college transcript, if desired, when California State University, Long Beach makes it available.

CONFERENCES AND SEMINARS

California Industrial Educators Association Annual Conference

San Francisco - Friday and Saturday, March 14, 15, 1975

This conference as usual provided me with updated information in my area of teaching. Pertinent mini workshop sessions in Technical, Industrial, and Architectural model construction were of special interest to me. The materials suppliers, from books and visual aids to machinery dealers, keep us abreast of new techniques and procedures.

Environmental Design Workshop -

California Polytechnic University Pomona - April 18 1975

I was invited, along with other community college representatives from drafting/design and counseling departments, to participate in a one-day workshop concerning student needs and problems. Discussion included the Cal. Poly. curriculum offerings, the transfer student, the employment projections, problems and solutions of transfer. We were able to see in depth and discuss with their instructors their approach to architectural design, urban planning, and landscape design.

Drafting Teachers Seminar

Jet Propulsion Laboratory - June 26, 1975

The Drafting Management Division invited interested drafting instructors to participate at their facility in a seminar which included

discussion of: drafting room standards; spacecraft structures; fluid mechanics; mechanisms and optics; electronic packaging; and reproduction techniques. Later in the afternoon a tour included: the space craft museum; prototype and test shop; drafting and design building; the computer assisted drafting room; reproduction techniques; and the Mission Control and Computing Center.

SCHOOL VISITS

Shasta Community College, Redding, California - March 18, 1975

As a guest of the Director of Vocational Education, I was fortunate to get the complete, inside tour of the vocational subject areas of the college. I spent considerable time with their two (2) drafting instructors discussing student and school problems and sharing solutions. I was particularly interested in discussing the Doctorate thesis conducted by Dr. James E. Poulsen on the subject of Vocational Industrial Clubs of America (V.I.C.A.). Jim shared with me many of his student projects which we can use as ideas for further curriculum development here at Mt. San Antonio College.

Shasta County Regional Occupational Program, Redding, California -
March 17, 1975

I spent a most interesting day with an old friend, John Cridelich, Vocational Education Coordinator for a quite widespread program. His responsibilities are county-wide and student programs are then located at the needed areas in whatever facility is available. A very busy, rapidly changing program, but certainly meeting current relevant needs of people and industry.

California Polytechnic University, Pomona - March 13 1975

I was the guest of Mr. Dave Bess, instructor in Urban Planning, who personally presented me to their Environmental Planning Department

and introduced me to their instructors. I had an opportunity to ask questions and become familiar with their program needs and requirements.

University of Puerto Rico, San Juan P. R. - May 6, 1975

A quick tour, but most interesting, to the news-famous campus. Verbal communication was somewhat of a problem, but a well-accepted challenge. I did, however, visit their Architectural Design Program and Business Education Department. It certainly made me more appreciative of our Mt. San Antonio College and the willing and interested students we have the pleasure of working with.

Career Education Center, St. Thomas, Virgin Islands - May 7, 1975

I spent a most interesting afternoon with the Director of Career Education, comparing notes on career educational needs. They have a very challenging problem, that of a lack of industries. Seventy-five percent of their educated children must move from the island to seek employment. Even with this facing them, they are doing a remarkable job of maintaining student involvement and enthusiasm.

Nassau, Bahamas

A visit to the Ministry of Education building gained me an interview with Dr. Denys Meakin, Registrar of the College of the Bahamas. Our short visit did not allow time for a visit to the classroom facilities, but we did discuss their educational system, including both the Bahamas Teachers College and C. R. Walker Technical College.

INDUSTRIAL VISITS

NRM Corporation, Columbiana, Ohio - May 20 1975

This is one of only two firms in the United States that designs and fabricates molding machines for automotive and truck tires. I was very fortunate to be the guest of Mr. William Kaylor, engineer, who cleared and donated engineering drawings and stress calculations of their unique product.

Subler Transfer, Inc., Versailles, Ohio - May 26 - 27, 1975

Mr. Kenneth Subler, president of the shipping firm, was our host for a most rewarding visit to a unique community. First impressions are of a typical, rural farm town. yet because of the eastern needs, it lends itself geographically well for a shipping center. A flight tour by our most able hobby pilot, Ken, revealed farm machinery factories and quite a variety of large scale agricultural products. In town, Ken, as a very civic-minded person, was instrumental in establishing a new eastern division of Airstream Coaches, their Argosy line of travel trailers, motor homes, and mini commuter busses. His personal tour and inside information on establishing this plant was most rewarding.

Textile Silk Screen Processing Plant, Key West, Florida - May 12, 1975

Although not a fully automated plant, their process was unique in that they maintained the hand art skill. They also mass produced at a respectable retail price.

SIGNIFICANT ARCHITECTURE

San Francisco Area - March 15 - 16, 1975

Always an interesting city to visit and marvel at their new developments. Of especial interest on this visit was the Bank of America Headquarters building, now the tallest building in San Francisco. We had the pleasure of touring this building, even the executive conference rooms and dining rooms on the 52nd floor. Of equal fame and interest in design were the San Francisco Towers which we also toured. In addition to these buildings, I was also most impressed with the Hyatt Regency Hotel and its unique indoor-outdoor design, the engineering challenge of their cage-type elevator system, and the roof-top rotating restaurant.

San Souci Palace and the Citadel of Henry Chrisophe, Cape Haitien,
Haiti - May 5, 1975

Not only are these structures of historic significance, dating back to 1814, but they were also of special interest to me in their purpose of design, as well as the method of construction. Built entirely by manual labor, the walls, 140 feet high, contained accommodations for 15,000 men with provisions and stores to fight the return of Napoleon if necessary. It was never used and not entirely complete at the time of King Christophe's death (1820), yet it has withstood the test of time and stands most majestically atop a 3,000 foot mountain some 20 miles from the sea.

Old San Juan, Puerto Rico - May 6, 1975

Founded in 1521, this is the oldest city under the American flag. Old San Juan, completely walled in at one time, now contains a maze of historic landmarks, restored colonial homes, shops, plazas, and museums. As we toured the town by bus and foot, over their fascinating glazed blue brick streets, I was particularly impressed by the restoration success of this city, now considered the finest example of "authentic Spanish colonial architecture" in the world.

Florida Keys - May 10 - 12, 1975

A drive from Ft. Lauderdale, Florida to Key West, Florida revealed an interesting variation of architecture from the high rise hotels of Hollywood/Miami Beach, to the agriculture settlements of farm laborers. I had particular interest in the keys based on their land development from natural coral. Soil as we know it, is all imported and entire communities are built on now very stable crushed and filled coral rock. Based on their weather conditions, building designs are somewhat different from California. Tropical storms necessitate built-in cable systems, anchored to oversized footings to prevent damage. Since the land height is less than 18 feet, most homes are built up on piers, as storms may completely wash over the land areas.

The town of Key West contains many preserved buildings dating back to the 1800's. Two of the most notable are the Audubon House and the home of Ernest Hemingway. The former was originally the home of Capt. John Geiger though it was here where John James Audubon developed many pages of his Elephant Folio which, now completely collected, is displayed

here in perfect condition. The latter was Hemingway's retreat from his travels. Owned by him since 1932 and restored to a comfortable modern home, it includes a basement. Since this is the only house on the highest piece of Key West land (18 feet above sea level) it has a dry basement.

Prior to the fresh water pipeline from upper Florida and the now operational desalination plant, all Key houses had roof eave troughs, downspout, and cistern water collecting systems for all fresh water. Many homes, even now, maintain these systems for reserve water.

Atlanta, Georgia - May 13 - 16, 1975

Most famous for its Southern colonial mansions, we viewed such notable facilities as: the Governor's mansion; Emory University; Georgia Tech; Atlanta Memorial Arts Center; the Atlanta Stadium; and the Cyclorama Civil War Exhibit. Underground Atlanta (even in the rain) was an interesting preservation of the early downtown Atlanta. It was interesting to note the restoration of some of the old residential area homes was being done by groups of young people acquiring a home, nearly destroyed by developing ghetto conditions, and working together to rebuild and preserve it. Some of these homes are to be occupied by the young people themselves, others are for sale, but at any rate it is a retardation of slum conditions.

GENERAL INTEREST

Indianapolis Motor Speedway - May 17 & 25, 1975

We attended the last weekend of time trials where tension rises as some drivers were "bumped" due to low speeds. We returned to the speedway for race day. What a spectacle! Just as billed. The crowd's enthusiasm and dedication to the event is something to be admired.

Henry Ford Museum, Dearborn, Michigan - May 21, 1975

As a small tornado passed, touching down and destroying an elementary school room five miles north of us, we enjoyed the comfortable shelter of Henry's collection. This collection of early Americana ranges from silver masterpieces by Paul Revere to Henry's first automobile, the 1896 Quadricycle. We were the last to leave, and too soon, as our interest in antiques held us until we were asked to leave at closing time.

U. S. Navy/U. S. Coast Guard Station, Key West, Florida - May 11, 1975

The base, originally established as a protection against pirates who continually raided cargo ships bound to and from the gulf area, continues to serve as our southernmost stateside guard. It was from

this station and the cutter based there, that the Cuban refugees received assistance. The refugees' float devices, from small boats to lashed-together oil drums, wait there to be reclaimed.

Marathon Key, Florida - May 12, 1975

In the retirement community of Key Colony, we had a most interesting visit with Walter Grahn, his wife, and son. Mr. Grahn, a Chicago business man of world fame for his development and testing of deep dive equipment, spent time to share with us his pictures and collected artifacts from his many dive excursions. The most important of these are the Sacrificial Well in Mexico, which was sponsored by the National Geographic Magazine and the Ford Foundation, and his co-venture to prove the keel line remains, in the Cap Haitien harbor, are those of the Santa Maria.

Martin Luther King Grave Site and First Church - May 15, 1975

In an all black section of Atlanta lie Dr. King's remains, just adjacent to his and his father's church. Well-guarded now and open only to selected and identified members of the congregation since his mother's assassination.

Everglades National Park - May 12, 1975

We spent a day and night in the jungle atmosphere of the Everglades Park. Quite a contrast for native Californians to compare to our desert areas, a wasteland on the opposite end of the moisture scale.

Baker Furniture Museum, Holland, Michigan - May 22, 1975

This museum, established by the Baker Furniture, Inc., manufacturers of fine hand-crafted designs from Norway and the French settlements in Canada, is maintained for one specific purpose - the study of and inspiration in designing and making period furniture reproductions. It included individual pieces as well as entire settings of antique furniture and room decor.

SUMMARY

During the first few months of my leave I was involved in the Masters of Arts in Vocational Education (M.A.V.E.) program at California State University, Long Beach (C.S.U.L.B.). I have attended C.S.U.L.B. for the past nine years, having completed my Bachelors of Vocational Education degree in 1970. I have always attended college as a part time student since my teaching career started in 1955. This time allowed to attend college has been greatly appreciated by one who has always done it the hard way.

Following the completion of course material, or that material that would be allowed, we (my wife, Phyllis, and I) made an eastern tour, including a Caribbean boat trip of over 2,000 miles.

After a week of visiting five ports in the Caribbean chain, including a stop at the Bahamas, we drove as far south as Key West, Florida.

Returning to Ft. Lauderdale, we flew to Atlanta, Georgia where we spent three wet days visiting greater Atlanta. Again we took to the air, flying north to Indianapolis where we visited the famed Indianapolis Motor Speedway. Between time trials and race day (one week), we motor-toured the lower Great Lakes area, visiting the Ohio towns of Dayton, Columbus, Columbiana, Youngstown, Cleveland, and Toledo. Then into Michigan where we visited Detroit, Lansing, Grand Rapids, Holland,

Iona, Kalamazoo, and Hickory Corners. Heading south just outside of East Chicago, we made our way back to Indianapolis via Lafayette, Lebanon, and Muncie.

Whew! we felt we had made a respectable qualifying time for the Indy race in our effort to see this area. It was fast, but beautiful, as we took time to visit friends who assisted us in seeing noteworthy places.

After the race we headed east to Versailles, Ohio. A short two-day visit with friends and then south to Dayton, Ohio where we boarded a plane for Atlanta, Georgia.

Collecting our stashed extra luggage in the Atlanta Airport, we boarded a west-bound plane for good old Los Angeles.

Tired, but happy and thankful for the experience, we met our children in Los Angeles for the "short" drive home.

Our air travel included flights in the L-1011 Tri-Star, Boeing 727, Douglas DC-9, Douglas DC-8, and a Piper four-place. We rode Greyhound, city, and mini buses; streetcars, autocars; horseback; and afoot.

Twenty-eight days of a hurried tour, but as neither my wife nor I have had the opportunity for this type of travel, I feel we have gained a great deal by this experience.

