

4-1977

UA64/3 Readout

WKU Industrial Education & Technology

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Recommended Citation

WKU Industrial Education & Technology, "UA64/3 Readout" (1977). *WKU Archives Records*. Paper 1270.
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READOUT

WESTERN KENTUCKY UNIVERSITY

ARCHIVES

Industrial Education and Technology Department
Western Kentucky University

VOLUME 4

NUMBER 1

APRIL 1977



RENOVATION OF INDUSTRIAL EDUCATION BUILDING NEARING COMPLETION

The renovation of the Industrial Education Building is nearing completion. Classes are scheduled to be offered in the new laboratories during the fall semester, 1977. The interior of the building is all new. Alumni will not recognize the old place. The top floor of the building will be devoted entirely to drafting (5 drafting laboratories). These include laboratories for general drafting, architectural drafting, technical illustration, airbrush rendering and product design. The top floor will be fully carpeted except for the airbrush rendering area. A central reception and resource area will serve all drafting classes. For the first time in many years all of our drafting will be taught in the same building. All laboratories will be air conditioned and the drafting area will be carpeted.

The middle floor will be divided into two large laboratories with a central hall separation. Graphic arts will be on one side and a general woodworking laboratory on the other. This woods laboratory will be a complete general woodworking facility with a resource room and lumber storage. The graphic arts area will include a fully equipped dark room.

The basement will house an industrial woodworking lab (where the old mill room was), an assembly/lumber seasoning room, a large finishing room, a wood technology lab and a lumber storage room. The old elevator was removed from the inside of the building. A new elevator and stairway is being added to the rear of the building and is pictured above.

When this project is complete, we believe that we will have some of the finest industrial education facilities in this part of the country.

VIEWPOINTS*

Basic Industrial Education: Futures Oriented or a "Sabre-toothed" Curriculum?

Dr. Norman Tomazic

The recent television presentation of the motion picture *2001* should have caused all persons concerned with technical education to review their viewpoints of reality. The movie was science fiction, but most of the technology that was simulated is feasible, and a great deal of the technology is currently in the research and development phase on the way to becoming "real."

Our school programs related to technology must reflect the changes that are occurring in our society. The phenomenon of the pocket electronic calculator has thoroughly saturated our society, but the devices did not exist only a few short years ago. Most persons who carry and use these calculators have not the slightest idea of how they work—they are simply accepted as a part of the current technological reality. However, the schools should be attempting to bridge the serious literacy gap that exists regarding the average person's awareness of the "nuts and bolts" of modern technology.

Our curriculum in industrial education borders on the "Sabre-toothed curriculum" that attempted to perpetuate the transmission of "basic" knowledge such as "wooley horse clubbing, fish grabbing, and tiger scaring." Students are completing 12 years of education with virtually no exposure to the substance and methods of modern technology. Our industrial education is at the level of simple hand tools and only slightly more complex manually operated machines.

Even though we may not be able to provide students with exposure to fully automated machines, we should make every effort to simulate modern technology to allow students to experience the "reality" of today's industry much as the producers of *2001* allowed thousands of viewers to "experience" the "reality" of space travel in the future.

We must re-examine the "basics" of technology to determine whether the basics that we are teaching are really basic to an understanding of the technology of today and of the future.

COMMENTS

*Dr. Franklin Conley, Head
Department of Industrial Education
and Technology*

We have received numerous favorable comments from alumni concerning this newsletter. The Industrial Education and Technology Club and their advisors Dr. Frank Pittman and Mr. Howard Lowrey deserve recognition for their efforts in the time consuming task of gathering the news and bringing these newsletters together. We also appreciate you the alumnus who, by your continuing interest and support, let us know that you want to be kept informed of the progress of your department.

Having moved much of our operation into the new Environmental Science and Technology Building during the summer, 1976, we have been in the process of working out the rough spots normally encountered in a new building. We have made a great deal of progress in improving laboratory safety and are in a much better position in terms of OSHA compliance. Faculty members have worked hard to make their laboratories safe for students and to place equipment into good working order.

The main Industrial Education Building has been under renovation since last fall. It appears that it may be ready for occupancy sometime during the summer, 1977. It has undergone extensive renovation and the floor plan has been completely altered. I'm sure you will be surprised and pleased with this facility.

Even though very important, we would be remiss if we reported departmental progress only in terms of physical facilities. Our courses and programs are under constant review and changes are always taking place. A new set of state guidelines are being developed for the certification of industrial arts and vocational-industrial teachers. In order to comply with these new guidelines a departmental committee has revised our teacher education programs. We are awaiting final approval of the guidelines by the State Board of Education before seeking University approval of our changes.

Our drafting offerings are under study with some new courses ready for consideration. We will soon have access to equipment that will enable us to teach

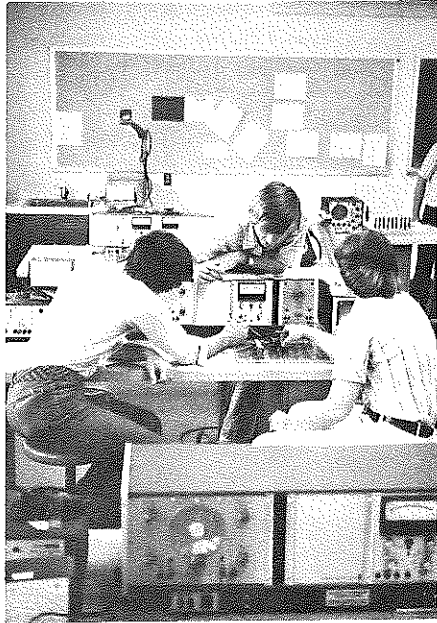
computer drafting. Mr. Tim Frisbee, who joined our faculty last August, is developing an Associate of Science degree program in Air-Conditioning and Refrigeration Technology. We are presently exploring the possibility of offering a major in aviation which would help a student earn the private pilots' license.

Our enrollment continues to show a steady growth. The employment outlook remains very good and the industrial firms employing our graduates continue to contact us when they need additional personnel. The demand for industrial education teachers places our students in a favorable position. Improving teachers' salaries and possible federal funding for industrial arts programs should combine to encourage an increase in both the supply of and demand for industrial arts teachers.

We invite your comments and extend a warm invitation to visit with us whenever your schedule permits.

CONTRIBUTORS

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Dr. Frank Pittman
Dr. Norman Tomazic
Mark Gottula
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Bonnie Thomerson
Bob Wicklein
Carol Zax



New Electricity/Electronic Facilities

A new electricity/electronics laboratory was recently installed and utilized for the first time during the 1976-77 fall semester. The laboratory, located in room 301 Science and Technology Hall, provides facilities for 120 Basic Electricity, 128 Basic Electronics, 328 Applied Electronics, and 229 Electrical Maintenance.

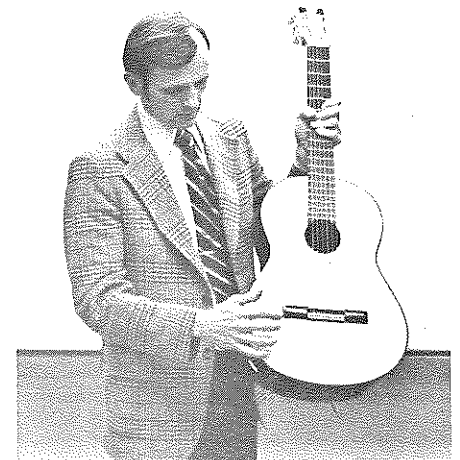
New benches with laminated-tops, drawer cabinets, and new metal tunnels house electronic instruments, components and materials used for experiments that support and verify electrical and electronic theory. Adjacent to the metal tunnels, atop each bench, are new oscilloscopes. This arrangement equips the two students who are stationed at each bench with all the materials and equipment needed for the laboratory work. A second room, 314 across the hall, is helpful for storing components and repairing equipment. Classrooms next door to the laboratory allow space for discussion and lecture.

The original laboratory, located in room 216 Science and Technology Hall, is currently being organized and used for 325 Applied Electricity. New equipment is making it possible to investigate such topics as single phase and three phase power systems, transformer connections, residential and commercial wiring, and motor control circuitry.

WKU STUDENT RECEIVES KIEA SCHOLARSHIP

This past November at the 1976 Kentucky Industrial Education Association Convention held in Louisville, Western was honored in having one of their students receive a KIEA scholarship.

The \$100 scholarship was presented to Bonnie Thomerson from Glasgow, Ky. She is a senior at Western and is studying for a degree with an Area of Concentration in Industrial Education. She is a member of the Industrial Education and Technology Club and this past year represented WKU at the KIEA Convention as a judge of the junior high and high school projects exhibited at the convention.



Guitars, Guitars, Guitars

I recently completed a most interesting, guitar oriented, sabbatical leave. I was fortunate about five years ago to come to know Mr. Hascal Haile of Thompkinsville, Kentucky. Mr. Haile has an international reputation as a maker of fine acoustical guitars. Guitar making is an area of woodworking that had always interested me, but I had never experienced. Mr. Haile invited me to work and study with him, and I was granted a sabbatical leave for the fall semester, 1976, to pursue this study.

On September 8, 1976, I moved to Thompkinsville. Mr. and Mrs. Haile were very gracious in allowing me to live with them while doing my work. Classical guitar construction was my first undertaking. Mr. Haile is an excellent teacher and patiently showed me every detail of construction. I photographed (2" x 2" color slides) every step of the construction process and accumulated approximately 200 slides. I am currently organizing these slides into a series.

I lived and worked with the Hailes for approximately six weeks. During that time I completed one classic guitar. I began work on a steel string guitar and observed Mr. Haile working on both types. It was my good fortune to meet several nationally known musicians who play Haile Guitars. Meeting Mr. Chet Atkins was most memorable.

I consider living with such a wonderful couple and working with a craftsman of Mr. Hailes' caliber one of the most rewarding experiences of my entire professional career. What a lucky person I am.

—Frank Pittman

COMMUNICATION & INTERACTION

Carol Zax

The most outstanding thing about the Industrial Education Department is the rapport between the instructors and the students. It seems to me that in no other department is the communication so good.

For instance, through events such as picnics, float activities, banquets, faculty/student sports, etc. we have had more of a chance to get to know the instructors on a much broader basis, as well as, meeting their families. The Industrial Education Club and instructors are planning to take a field trip to tour Murray's Industrial Education Department and also to tour the Fisher Price Toy Factory on March 26. Because of the instructors interests, several students have had the opportunity to take trips to observe student teaching in various high schools which proved to be very informative.

Since I am a student worker in the Industrial Education Department, I have an added opportunity to see this rapport and communication between students and faculty. I feel very strongly that our department is very special in that our faculty really participates in our education by their tremendous interest and support in all of our endeavors.

IE&T ONE-LINERS

These are some short news items to keep you informed and up to date on what's happening in the department.

* * *

Mr. H. B. Clark, who taught in the department for 13 years, has retired and he and his wife are currently touring the country buying and trading antique clocks.

* * *

Mr. Jeff Crisp, who is in charge of Industrial Vocational Education, has been reappointed to the Citizens Advisory Committee for Vocational Education in region 4.

* * *

Dr. Franklin Conley, Department Head, has been elected chairman of the Kentucky Advisory Council for Industrial Teacher Education.

* * *

Mr. Randy Clark, a new faculty member, is currently program coordinator for the rapidly increasing technical programs at Fort Knox.

* * *

Mr. Tim Frisbee, a new faculty member that has joined us from South Dakota, is in the process of developing an associate degree program in air conditioning and refrigeration.

* * *

Dr. Edward Hein is currently involved in a state curriculum project that will focus on developing modules for Vocational Auto Mechanics.

* * *

Mr. Jerry Lyons had an article published on the design and construction of a table saw guard in the September 1976 issue of *Industrial Education* magazine.

* * *

Mr. Wandel Dye is in the process of writing a book concerning the aspects of airbrush rendering techniques.

* * *

Dr. Frank Pittman is presently the President of the Phi Delta Kappa.

* * *

Western Kentucky University Student Chapter of Industrial Graphics International was organized November 18, 1976. Mr. Wandel Dye is the faculty sponsor.

* * *

Bethel Dale Greer, a senior from Owensboro, Ky., was named Outstanding Industrial Education and Technology Senior at the University Awards Banquet which was held April 19, 1977.

*

NALBACH SCHOLARSHIP FUND

In April of 1973 the Industrial Education and Technology Club initiated "The Walter B. Nalbach Industrial Education and Technology Club Scholarship Fund." The club started this fund through the College Heights Foundation, and it has continued to grow since 1973. However, there is still not enough in the fund to support a scholarship for a deserving industrial arts student. Therefore, we are soliciting tax deductible contributions to put the fund in a sound financial condition. If you would like to contribute to this fund, contributions should be made payable to the College Heights Foundation—Walter B. Nalbach Scholarship Fund and sent to the College Heights Foundation, Western Kentucky University, Bowling Green, Kentucky 42101. Any help you can give us will be greatly appreciated.



The I.E. and T. Club won the Alumni Award at Homecoming

The cost of printing this publication by Western Kentucky University was paid from state funds KRS 57.375.



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