

**Council
On
Technology
Teacher
Education**

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Newsletter

President's Message

John M. Ritz

John M. Ritz
Old Dominion University

The prospect of becoming a technology education teacher never seems to be brighter. Secondary enrollments are up, new schools are being built, new technology is being brought into our labs, and our profession is establishing standards to better outline the content we should be teaching. In a way, it seems like the 1960s and 1970s revisited.

In a short time, we will hold our annual conference in Ft. Worth. We have worked hard to deliver a conference program that will help you as you move into an era of innovation and change. We have special interest sessions and a pre-conference workshop which will help you design your pathway to the future. Through the pre-conference workshop, we have selected quality speakers to address those topics which should impact our future in technology teacher preparation. The presenters include Charles Pinder (addressing the changing demographics of the profession), Tony Gilberti (accreditation standards), Rodger Bybee (the promise of standards for technology education), Mark Sanders (teacher shortages), and myself (positioning technology education programs). Brigitte Valesy and Tom Hughes will be helping us to prioritize our needs and then lead a strategic planning session. The aim of the workshop is to help you prioritize the needs of your teacher preparation program and to assist the Council in setting its program of work for the upcoming years. These should result in win-win opportunities for all of us.

I encourage you to attend this pre-conference workshop. It will take place on Saturday, March 7, 1998, from 9:00 AM to 3:00 PM. If you can, please bring a team of teacher educators from your institution to the workshop. In this way, you will be able to use the workshop information and begin collective planning for your own future. Pre-registration for the workshop is required and costs \$95 (which includes lunch). Register using your ITEA Conference form.

Remember, the Council exists for you. We seek your input and invite you to become a member of one of our committees. The committee work session is Sunday, March 8, from 1:30 to 3:45 PM. Drop me a note or E-mail, and I'll see that you become an active part of the Council.



New Address For The CTTE Web Site

The CTTE site on the internet has been moved and updated. All the valuable CTTE on-line resources are now located at

<http://TechEd.vt.edu/CTTE>

CTTE Committee Reports

Accreditation Committee

Anthony Schwaller (St. Cloud State Univ.)

At the October NCATE All Boards Meeting, the revised ITEA/CTTE Accreditation Guidelines were presented to NCATE and to the Specialty Area Studies Board. The presenters included Dr. Tony Gilberti, Dr. John Ritz, Dr. Anthony Schwaller, and Dr. Kendall Starkweather. Based upon the presentation of the revised guidelines, the Specialty Area Studies Board recommended to NCATE that these guidelines be approved for the next five years.

The revised guidelines were written in performance terms by the CTTE Accreditation Committee over the past two years. In addition, NCATE is now encouraging all specialty areas groups to provide performance based evidence in their folio. To this end, various suggestions and examples were included to help in folio preparation. Other highlights in the ITEA/CTTE Accreditation Guidelines that were approved include:

- ✓ A new procedure has been put in place to allow for Continuing Accreditation
- ✓ A procedure has been put in place to allow for State Partnerships and the possible use of state guidelines in conjunction with ITEA/CTTE guidelines.
- ✓ An expanded knowledge base was included in the guidelines.
- ✓ An improved communication process was developed for improving the folio review process.
- ✓ A team review process was developed to allow more valid folio reviews.

For the remainder of this school year, folios that have already been started using the old guidelines should continue using the old guidelines. However, if you have not started working on a folio, but plan to develop it in the future, you should use the newly revised guidelines. All folios submitted in the fall of the 1998/99 academic year should use the new guidelines. Also, if your program is currently approved and you are up for continuing accreditation, you will just need to write a five-page report as described in the new guidelines. A copy of the revised guidelines can be obtained from NCATE or ITEA.

If you have any questions concerning ITEA/CTTE/NCATE accreditation or the new guidelines, please contact:

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OR

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Terre Haute, IN 47809
(812) 237-2640

Collegiate Student Association Committee Richard Seymour (Ball State University)

Members of the CTTE Collegiate Student committee have been helping organize and run three regional conferences for TECA. Regional events were held in November in conjunction with the Illinois Technology Education Conference (Peoria), Colorado and Rocky Mountain States Conference (Colorado Springs), and 4 States Conference (Pittsburg, KS). A fourth event is scheduled for Virginia Beach in February. In addition, the committee members will be conducting many of the TECA events at the conference in Ft. Worth. Agenda items for the up-coming year will be discussed at the '98 ITEA Conference.

CTTE Newsletter



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CTTE Committee Reports

Graduate Studies Committee John Larkin (Central Connecticut State)

This year has been an active one for the committee members. Members have been working to develop their chapter outlines for our monograph planned for the year 2000. Members have attempted to bring in an additional member from their institution. We are pleased to have participants presenting in our third Poster Session. The Poster Session is scheduled for Tuesday, March 10, 1998 from 9:00 AM to 10:15 AM. The presenters and topics are as follows:

1. Alternate Models for Technology Educ. Certification.
William Page, Clemson University.
2. The Benefits of Conducting A Technology Teacher Enhancement Center Program of In-service.
John C. Larkin, Central Connecticut State University.
3. A State Funded Model for Alternative Certification for Technology Educ. for the State of South Carolina.
Joseph Beier, South Carolina State University.
4. Special Education Students in Technology Education: Exemplary Practices in Connecticut.
Michael J. Williams, Central Connecticut State Univ.
5. Technology Education in Jamaica.
Walter Phillips, University of British Columbia.

Note: Anyone wishing to present at the Poster Session may still do so by contacting John C. Larkin at CCSU (860)832-1854.

Also, we are pleased that the Graduate Program Booklet that was compiled a year ago is now available electronically at CTTE's Web Site.

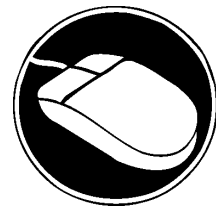
Undergraduate Studies Committee Mike Daugherty (Illinois State University)

The Undergraduate Studies Committee will sponsor a "Trends and Issues in Technology Teacher Education Carousel Session" at the ITEA Conference in Fort Worth, Texas. In planning for this event, the Undergraduate

Studies Committee has identified a number of trends and issues that should be of interest and value to teacher educators and secondary technology education teachers. Please encourage faculty members, graduate students, secondary technology education teachers, and other conference attendees to attend this carousel. The following presenters will be included in the event:

1. Experiences of the Technology Teacher: Student to Professional.
Gene Gloecker, Colorado State University.
2. Preparing to Teach About Ethical Issues in Technology Education.
Emerson Wiens, Illinois State University.
3. Integrating Tech Prep and School-to-Work Concepts Into the Undergraduate Experience.
J.H. Pons, University of Southwestern Louisiana.
4. A Rational Body of Knowledge for Technology Educ.
Terry Richardson, Northern State Un., South Dakota.
5. The Role of Science Educators in Teaching Technology Education.
Franzie Loepp, Illinois State University.
6. Integrating Technological Design in Undergraduate Education.
Richard Satchwell, Illinois State University.

Our CTTE Web Site Has Been Moved And Updated !



The CTTE Web Site has been moved and expanded. The site includes information on a wide range of CTTE activities, including committee news, 1998 CTTE conference program, constitution, graduate programs, publications, membership, NCATE guidelines, officers, sponsored research, and yearbooks. Think of the CTTE site as another valuable on-line reference/resource for both you and your students!

<http://TechEd.vt.edu/CTTE>

The Evolution of CTTE

CO-EDITOR'S NOTE — As CTTE officers and members prepare to meet in Ft. Worth, TX to conduct the business of the association, we thought it might be interesting to look back at the beginnings of the Council . . . its purpose and initial organization. This material was supplied by CTTE life member Richard M. Birch (Marianna, PA) and is reprinted from *The Industrial Arts Teacher* (June 1950 issue) following the May 10th meeting in Cincinnati.

Organizational Proposals For The American Council On Industrial Arts Teacher Education

DeWitt Hunt

School of Industrial Arts and Engineering Shopwork Oklahoma A. & M. College, Stillwater

The needs for the council have been well established. Other educational councils have been organized and have proven to be valuable adjuncts to the professional growth of their members. How can it be that with at least 166 college departments of industrial arts teacher education and from 500 to 700 teachers actively engaged in the preparation of industrial arts teachers, no national organization of this group has evolved? We have a disorganized program of teacher education because there were no meetings of minds on a nation-wide basis to solve problems related to curriculums and departments. Or there has been a "copying" and "imitating" of programs as developed in exemplary institutions. The total program involving 500 or more college teachers and 10,000 to 20,000 students-in-training demands a national association for the study of common problems. In a letter from the president of National Association, addressed to heads of departments of industrial arts teacher education in the 166 colleges concerned, the following purposes, values and possibilities for this "Council" were listed:

1. *Perhaps the professional maturity of a group of specialists is measured by two criteria: (1) "Is the group organized into a national association?" and (2) "Does the group publish periodical brochures or a yearbook?"*
2. *Memberships in the proposed national association may: (1) be open to heads of departments only (2) be open to all staff members and (3) include both individual and institutional memberships.*
3. *The annual meeting may be held during the early part of the week of the AIAA convention or at another convenient time, such as with the NEA or ASSA annual conventions.*
4. *A yearbook might be published using committee reports and papers presented at the annual meeting as the contents of the yearbook. Subjects for yearbooks might well include "Planning the Industrial Arts Shop", "Testing and Evaluation in Industrial Arts Classes", "Practice Teaching as a Part of a Program of Industrial Arts Teacher Education", etc.*
5. *The yearbook can be financed by an annual membership charge for individual memberships and by institutional memberships. The individual membership charge would guarantee the member one copy of the yearbook. Institutional memberships would consist only of purchasing a given number of copies of the yearbook at a reasonable cost for inclusion in the department library.*
6. *All income from memberships should be reserved for the use in publishing the yearbook and/or other bulletins, leaflets, etc.*
7. *Staff members, other than heads of departments, should be encouraged to attend the annual meetings of this group as departmental finances or personal inclinations permit.*
8. *The programs should deal with all phases of the education of teachers of industrial arts in American schools.*

The 500 college staff members in industrial arts teacher education should support an association in which all may secure membership and where activities and purposes deal exclusively with the preparation of teachers for industrial arts positions. The organizational details of the proposed "Council" will be discussed in the succeeding paragraphs.

MEMBERSHIP. *The possibility of both individual and institutional membership should be explored. The potential maximum of individual membership is less than 869 persons whose names are listed in the AIAA Directory of Industrial Arts Teacher Education Staff Members, issued in 1948. Likewise possible institutional members number fewer than 166. There would be no reason for limiting membership to heads of departments. Individual membership at about \$3.00 per year should guarantee the receipt of one copy of the yearbook. Institutional memberships might be based on undergraduate enrollment, but a more practical plan would*

➡ Continued On Back Panel ➡

CTTE Committee Reports

Research Committee Bob Wicklein (University of Georgia)

The Research Committee has selected six presentations to be given during the CTTE Research Presentation at upcoming ITEA conference in Fort Worth, Texas. The presentations will be delivered via the poster session format and should be very stimulating and interesting to all participants. The sessions will be on Monday, March 9, 1998 at 2:30 PM in the Radisson Hotel. The presentations represent a wide diversity of thought and research within the field of technology education:

1. Teacher's Quality Indicators for Technology Educ.
Dr. Yao-ming Chu, National Kaohsiung Normal University, Taiwan
2. Project Connect: Preparing Teachers to Use a "Life Based" Curriculum Within a "Real World" H.S. Model
Dr. Richard Westberry, University of South Florida
3. Gender and Technology Education in Kenya
Mr. Issac Kithyo, University of British Columbia
4. Research in Technology Education
Dr. Stephen Petrina, University of British Columbia
5. Cognitive Processes Involved in Tech. Probl. Solving
Dr. Howard Middleton, Griffith University, Australia

6. Identifying the Mental Processes for Solving Technological Problems
Dr. Robert Wicklein & Dr. Roger Hill, Un. of GA

In other news, the Research Committee has recently completed work in soliciting research proposals for the CTTE Stimulating Research in Technology Education grant. Three research teams were selected to participate in the next phase of this project and will be attending the grant development workshop to be held just prior to the ITEA conference in Fort Worth, Texas. Each team will have opportunities to enhance their proposal during the workshop through the guidance of Dr. Marion Asche, Professor Emeritus from Virginia Tech. Upon completion of the revisions of the research proposals, one grant of \$10,000 will be awarded to the selected research team. The proposals under consideration are as follows:

- ✓ What Can Be Done to Improve Gender Equity Through Successful Implementation of an Integrated Program of Mathematics, Science, and Technology Education
- ✓ The Identification and Development of Heuristic Problem-Solving Strategies to Augment the Teaching of Technological Problem Solving in Technology Ed.
- ✓ The Effects of Elementary Design and Technology Education on Science and Basic Skills



Evolution of CTTE (Continued)

be for the institutional membership to consist of ordering one-tenth as many yearbooks as there are undergraduate students in the industrial arts department. The yearbooks should be sold to departments at about the actual cost of publishing them. It might be possible to secure 300 individual members, and to have 100 institutional orders for yearbooks. Many library orders could be expected for these yearbooks. Surely at least 1000 copies of the yearbook could be published each year. Ultimately, classroom teachers will want to purchase copies of this yearbook. One publisher has offered to publish these volumes at cost. Two kinds of membership are recommended: individual membership, at \$3.00, and institutional membership with the purchase in advance of one copy of the yearbook for each ten undergraduate major students enrolled.

FISCAL POLICY. It should be agreed that one of the purposes of this organization should be the issuance of an annual publication commonly known as a "yearbook". All income from membership dues and all income received from advance sale of yearbooks to institutions shall be reserved for the publication costs of the yearbook.

WORKING COMMITTEES. The four elective officers, together with the immediate past-president shall constitute the "Executive Committee" of the "Council". This committee shall formulate objectives, plan yearbooks and conduct the fiscal affairs of the "Council". At least three yearbook committees should be in continuous activity. In 1950, yearbook committees should be appointed for 1951, 1952 and 1953 publications. In 1951, the yearbook committee should be appointed for 1954, etc. The selection of the subject for each yearbook can be accomplished during the annual business meeting. The executive committee acting as a program committee shall plan the series of four programs for the annual "Council" meeting.

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