



In the film "TRON," Jeff Bridges, as an electronic warrior, is seen at the controls of a video game tank, whose exterior is computer simulated. For more on computer graphics, turn to page 12. © 1982 Walt Disney Productions.

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IEEE potentials

the magazine
for engineering students

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Noteworthy Counselors and Advisors

Here are 1982's Outstanding Branch Counselors and Advisors, with a few notes willingly penned on their behalf. Is there someone you want to nominate?

Congratulations to 1982's 10 Outstanding Branch Counselors and Advisors. Their achievements represent the time and effort contributed by over 500 Counselors and Advisors each year.

Each award winner has received an Outstanding Branch Counselor/Advisor Award certificate and a \$500 check donated jointly by the Regional Activities and Technical Activities Boards of the IEEE.

The judges' decisions were based on essays written by the nominating Student Branch members. Supporting documentation such as petitions, letters of recommendation, and a brief biography of each nominee also were reviewed.

Do you have an outstanding Counselor or Advisor who deserves recognition? Take the time to submit a nomination. Read the procedures being mailed to all Branch Chairmen this November or contact the IEEE Student Services, 445 Hoes Lane, Piscataway, N.J. 08854. The entry deadlines for 1982-83 nominees is February 28, 1983.



Dr. George A. Etzweiler
Pennsylvania State University
(University Park)

He not only gives freely of his time, but also imaginatively. A brief highlight of the activities in recent years includes a trip to the Smithsonian Institution, a corporate lecture series, and a coffee house.

*Dale M. Grimes, Head
Dept. of Electrical Engineering
Pennsylvania State Univ.*

George has been active with the IEEE Student Branch at Penn State for a number

of years. Having my office next to his, I am able to see the daily activity associated with his guidance of our Student Branch.

*A.J. Ferraro, Professor
Chairman of the IEEE
Central Pennsylvania Section*



Professor Stephen J. Spurk
University of Lowell (Mass.)

Our membership has more than doubled over the past year. This is all due to Professor Spurk's enthusiasm and sharp sense of organization. He attended every event. It is people like Professor Spurk who carry the tradition and expertise toward which the IEEE strives.

*Robert Lefort
Branch Chairman*

Specializing in the areas of electromagnetic field theory, microwaves, and applied mathematics, he has brought to his teaching an understanding of the subject matter plus an understanding and warmth for his students that has made him a highly effective teacher.

*F. Ross Holstrom
Professor & Chairman
Univ. of Lowell*



Dr. Leo R. Puccaco
Southern Methodist Univ. (Tex.)

Dr. Puccaco has been the driving force in instilling enough interest in the students to double the number of members. The Student Branch has been recognized as the most active organization on the SMU campus with its many supported activities each month.

*Gerald E. Crain, Ph.D.
Chairman
IEEE Dallas Section*

In addition to putting on numerous workshops, obtaining the students a new office and sponsoring special events, Dr. Puccaco and his IEEE students won first prize for their home computer project at the 1980 MIDCON show in Dallas.

*William F. Leonard
Professor of Elec. Eng.
& Assoc. Dean and Director of
the Graduate Division*



Dr. David Dumin
Clemson University (S.C.)

Dr. Dumin was Acting Dean of the Electrical Engineering Department last year, and in this position he encouraged other faculty members to join in and support the IEEE activities. He also passed ideas on to the faculty from students and vice versa.

*L. Joyce Ex, Field Engineer
Schlumberger Well Services*

Once perceived as a "dead" organization of 75 students that was strictly resume material, the IEEE Branch has evolved into a dynamic organization of 122 members. This change from an obscure, inactive

organization to a well-known, active one can be directly attributed to Dr. Dumin's dynamic leadership.

*Cynthia L. Birt
Branch Chairman*



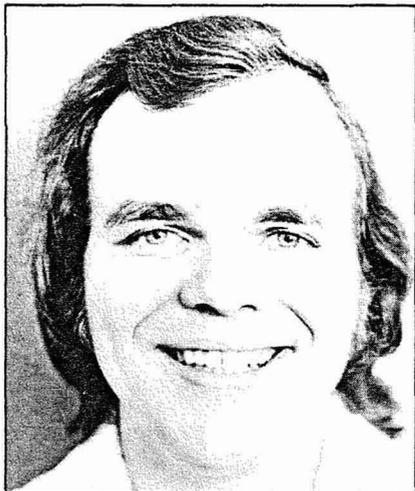
Dr. Malcolm D. Calhoun
Mississippi State University

Particular interest has been spawned in the lower classes where students should be exposed to the IEEE so that they can act as credible Branch officers at the junior and senior level. Much of this success can be attributed to Dr. Calhoun's patient but persistent manner.

*Danny K. Tollison
Branch member—three years*

Dr. Calhoun has had several research appointments. He takes time and effort to inform his students about his research experience and to effectively supervise those students who are also working on his research.

*B.J. Ball, Head
Dept. of Electrical Engineering*



Professor Robert J. Marks, II
University of Washington (Seattle)

He has been sensitive to providing opportunities for the students to develop their talents for leadership and facing the realities of extracurricular, professionally oriented teamwork. This includes the notion of professional responsibilities.

*James S. Meditch
Chairman
Dept of Electrical Eng. FT-10*

It is not, however, the tangible accomplishments that make Bob Marks an outstanding Advisor. He attends meetings because he cares. He listens to the needs of the students and tries to give advice accordingly. He has helped us with communication skills and to become better people, thus, better engineers.

IEEE Student Branch



Dr. M.R. Krishnamurthy
Regional Engineering College (India)

Dr. Krishnamurthy has been responsible for the formation of the Student Branch and has been an enthusiastic supporter of all its activities. The Student Branch under his guidance won the Vincent Bendix Award at its very first submission.

*M.V. Chauhan
Vice Chairman
IEEE Madras Section*

I am pleased to record that this Branch systematically organizes seminars, short-term courses, and workshops with intensive participation. One of the seminars, "Occupational Safety," was attended by over 200 delegates.

*T.V. Balan
Co-Chairman of the India Council,
Region 10 MDC Chairman*



Dr. John P. Knight
Carleton University (Canada)

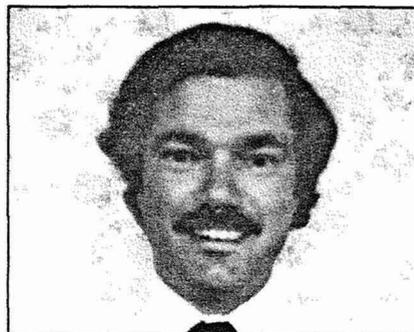
John arranged a visit of the Governor General of Canada to open the Carleton University's McNaughton Centre, an Electrical Engineering Room equipped with furniture, books, journals, microfiche, and photocopying facilities funded largely through IEEE Canada.

*J.S. Riordon
Dean of Engineering*

I have become aware of John's activities on behalf of all three IEEE Student Branches in Ottawa primarily through our association on the Ottawa Section ex-

ecutive. As Student Activities Coordinator, John has promoted the interests of students at every opportunity.

*Roderic L. Olsen
Chairman
IEEE Ottawa Section*



Dr. Russell E. Trahan
University of New Orleans (La.)

From a small group of close friends, the U.N.O. Branch has developed into a broad-based association of students. No organization can exhibit this kind of attractiveness and vitality without a strong motivating and cohesive force. At U.N.O., that force is Dr. Russell Trahan.

*Daniel F. Bradley
Branch member—two years*

Dr. Trahan supports professionalism in students by organizing and teaching his classes expertly and by encouraging students to write student papers and get involved in the activities of the IEEE. We have started organizing a teacher evaluation for EE students.

*Ronald Harvey
Branch member*



Professor Jack N. Krueger
University of North Dakota (Grand Forks)

At first, I thought that Jack was doing very little as an Advisor; now I know better. One example is a field trip to Winnipeg, Canada, that he organized in order for the students to get a first-hand view of the electrical industry. Overall, he did 90 percent of the work that made this trip a success.

*Todd Ell
Branch Chairman*

As a Branch Counselor for the past 22 years, Professor Krueger has continuously shown his support by active participation in scheduling and organizing Branch activities and meetings. Professor Krueger's candidness puts students at ease, allowing them to express themselves more openly.

*John D. Swigost
Branch member*