

70's. Very early in his career the cooperative education student learns the mutuality of goals of himself and business. He can quickly see the benefits of cooperation to achieve them. He can see the destructive results of antagonism and resistance in the work force. I am afraid that not all students accept such ideas.

And yet, as the competition around the world looms larger and stronger, I believe it will take a cooperative mustering of all our resources of men and manpower, as well as materials and capital, to continue the role of leadership that has been so beneficial to so many people. Education is the key to this. Education not only in the colleges and universities, but education on the street, in the home and in the shops and plants of the businesses of America.

As you prepare your graduates to accept their share of the responsibility for achieving this goal, our country will continue to succeed. You have a heavy responsibility, but from my own experience with cooperative education, I am confident that the responsibility has been placed in hands fully capable of doing the job.

THE COOPERATIVE EDUCATION MOVEMENT ASSOCIATION OF COOPERATIVE COLLEGES

Robert B. Auld

By the mid-twenties those engaged in operating the various co-op programs were aware of a great need for some sort of organization for discussion of their mutual problems. An unsuccessful effort was first made to form a division within the Society for the Promotion of Engineering Education. Then those interested in such an organization decided to form their own. The first convention of the Association of Co-operative Colleges was held on invitation from Dean Schneider on June 14 and 15, 1926, at the College of Engineering and Commerce of the University of Cincinnati. This meeting, as Dean Schneider said, was "The result of suggestions and pressures from schools which are on the co-operative basis the purpose of the organization is the interchange of ideas."

At this meeting Professor Chas. W. Lytle of New York University was elected temporary chairman. Present at the meeting were representatives of sixteen colleges and six firms.

Papers were given during the two days by Max B. Robinson of Evansville College, Stuart Scrimshaw of Marquette University, T. L. McJoynt of the Municipal University of Akron, H. C. Messinger of the University of Cincinnati, Charles W. Lytle of New York University, Cecil A. Kapp of Drexel Institute, Philip C. Nash of Antioch College, and J. E. McDaniel of Georgia School of Technology.

Robert B. Auld, Emeritus Assistant Dean for Cooperative Education, Cleveland State University, Cleveland, Ohio.

A committee composed of C. W. Park of the University of Cincinnati, A. R. Cullimore of Newark Technical School, and J. E. McDaniel drew up a constitution which was adopted.

Elected officers for the 1926-1927 year were: President, Dean Herman Schneider; Vice-President, Dr. K. G. Matheson of Drexel Institute; and Secretary-Treasurer, Professor Chas. W. Lytle. Members at Large: Professor Dugald C. Jackson, Jr. of the University of Louisville, Dean Fred E. Ayer of the University of Akron, and Dean F. C. French of Marquette University.

SECOND ANNUAL CONVENTION

On June 24 and 25, 1927, the second convention of the Association was held at Drexel Institute in Philadelphia. The two days were rich in discussion of topics related to co-operative education: philosophy, recent developments, longer vs. shorter periods of alternation, values to students, effect on class work, attitudes and viewpoints of employers, the thesis-degree problem, etc. The Proceedings of the Annual Meetings quotes verbatim talks and comments by Dr. Matheson, Dean Schneider, Joseph W. Roe of New York University, J. E. McDaniel, R. C. Disque of Drexel, Dugald C. Jackson, Jr., Max B. Robinson, George W. Burns of Cincinnati, Chas. W. Lytle, W. H. Timbie of M. I. T., J. W. Hallock of the University of Pittsburgh, W. D. Bliss of Marquette University, Fred E. Ayer, Clyde W. Park, and David B. Porter of New York University. Talks and comments were also made by Col. R. I. Rees, A. T. & T. Co.; E. E. Johnson, General Electric Co.; H. P. Liversidge, Pennsylvania Electric Co.; Elisha Lee, Pennsylvania Railroad Co.; and O. W. Eshbach, A. T. & T. Co.

Extensive by-laws were added to the constitution at this meeting. And the 1926-1927 officers were retained for another year. Chosen Members at Large for 1927-1928 were Dean Ayer, Professor Hallock, and Dean W. V. Skiles of Georgia Tech.

THIRD ANNUAL CONVENTION

Indications of expanding application of the co-operative system were evident in papers given at the third annual convention held in Chapel Hill, N. C., on June 25 and 27, 1928. E. H. Flath of Southern Methodist University told of "A Growing Co-operative Plan in the Southwest"; G. W. Burns of Cincinnati talked of "A Medical College Now Using Plan"; and C. S. Coler described the "University of Pittsburgh Graduate Course." Extension of the plan to commerce colleges was brought out in talks by Dean Ayer and W. R. Wagenseller of Drexel. "Better English for Engineers" was discussed by Dean Schneider, Dean Disque, and Dean R. G. Gowdy; and C. W. Park dealt with "The Influence of Practical Ex-

perience on Written Work." W. C. White announced that Northeastern University was about to initiate a five-year program in its Day Division for Engineering and Business Administration.

Officers elected at this meeting for 1928-1929 were: President, K. G. Matheson; Vice-President, W. H. Timbie; Secretary-Treasurer, C. W. Lytle. Board Members chosen were Dean Schneider, Dean Ayer, and Dean G. M. Braune.

Dean Ayer suggested that perhaps the members would like to meet the next year either with the S. P. E. E. or separately but at a time just before or just after the meeting of S. P. E. E. Mr. Wagenseller spoke for a separate meeting, saying, "I feel that we are the tail hanging on the dog." Dean Schneider suggested the Association meet in 1929 two days before the S. P. E. E. meeting and in the same place.

FOURTH ANNUAL CONVENTION

The fourth and last annual meeting of the Association of Co-operative Colleges took place at Ohio State University, Columbus, Ohio, June 20 and 21, 1929. Those who attended heard papers on "The Plan as Applied at Antioch College" by D. S. Hanchett, "The Plan as Applied to Medical Education" by Newton Evans, Dean of the College of Medical Evangelists, Loma Linda, California, and "The Plan as Applied to Theological Education" by R. A. Montgomery, President of Lane Theological Seminary in Cincinnati. "The Plan as Applied to Railroad Operation" was presented by J. B. Babcock, Professor of Railway Engineering at M. I. T., and R. C. Robb presented "Considerations for Application of Plan to Liberal Arts." An extended discussion of the value and advisability of evening courses for students on co-op took place near the end of the meeting, and at the final dinner meeting the group was addressed on "Some Broad Aspects of the Co-operative Plan" by Dr. Herman Schneider, President of the University of Cincinnati.

Officers elected for the 1929-1930 year were: President, W. H. Timbie of M. I. T.; Vice-President, F. E. Ayer of Akron University; and Secretary-Treasurer; C. W. Lytle of New York University. Members of the Board of Directors named were J. E. McDaniel, Herman Schneider, and K. G. Matheson.

The dates of this fourth meeting of the Association fell not before nor after but within the dates of the 1929 meeting of S. P. E. E.

DIVISION OF COOPERATIVE ENGINEERING EDUCATION - S. P. E. E.

In 1929 the Council of the Society for the Promotion of Engineering Education received this petition: "Believing that the continued growth in the

number of engineering colleges offering cooperative courses is evidence of a live interest in this educational method, the undersigned petition the Officers and the Council of the Society for the Promotion of Engineering Education for permission to form a Division of Cooperative Engineering Education. It is the hope of the petitioners that arrangements can be made to hold the first meeting of this Division at next summer's convention at Montreal. Respectfully submitted, K. G. Matheson, Fred E. Ayer, Dugald C. Jackson, Jr., J. E. McDaniel, E. Willis Whited, Chas. W. Lytle."

Council, by letter ballot, approved this petition.

THE CO-OP IN THE WORLD OF WORK

C. J. Freund

Quite some years ago a young chap named Freund was a co-operative student of mechanical engineering at Marquette University. He reported for co-op work to the National Brake and Electric Company, a Westinghouse subsidiary at the time, and was assigned to operate a milling machine. The machine fascinated him. He made it his business to find out all he could about its design and construction, and how it worked. After all, wasn't that what he was there for?

Business across the country was not good, and was getting no better. He had often heard about minor panics. Today we call them recessions. But none had ever touched him personally, and they seemed as remote to him as a national election in England.

There were six or seven tote boxes of work to do at his machine nearly every morning. But one day there were only four, although the following morning there were seven again. The man on the machine across the gangway was absent four or five days. By this time the foreman had become friendly and our Young Chap asked him if the man were sick. "No," the foreman replied, "he was laid off; we just don't have work enough in the place." By the end of three more weeks men had disappeared from ten or twelve machines around about.

Gradually his daily tote boxes dwindled down to two or three. One morning there were none. "Come on," said the foreman, "I want you to file the burrs off the castings on that bench over there." Next day there were three tote boxes, and one on the day after. In the middle of that afternoon the foreman came along. "I am awfully sorry," he said, "but you can look around, and your eyesight is as good as mine. There isn't enough to do to keep us going. It's too bad, but I have to give you a release ticket. I hope you can come back some day. Better luck to you

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