

More specific PENNTAP goals are:

- Establishment of a statewide communications system;
- Technical services in at least five main areas such as materials, computer applications, bioscience, transportation, and oceanography;
- Involvement of 18 institutions of higher learning;
- Service to all principal industrial centers within the Commonwealth;
- Participation by technical and administrative personnel from industries of all sizes; and
- Development of an interstate communications system.

So far, most of the other states are emphasizing a variety of continuing education courses and seminars on many different subjects. Generally, these reflect the specialty of the participating institution. Pennsylvania, however, is approaching the needs of the Commonwealth on a very methodical, careful basis. Emphasis is placed on specific fields of endeavor.

Steps were taken as early as 1963 to lay these technical foundations for developing science and technology in Pennsylvania. At that time, the Governor appointed a Council of Science and Technology to study the needs of the Commonwealth and to develop programs "to accelerate the growth in Pennsylvania of the new science-oriented industries." A subcommittee of this Council identified specific technical areas having the greatest potential for exploitation in Pennsylvania. It was only natural for PENNTAP, when it made its advent in 1965, to incorporate these priorities into its Plan.

In addition, each year prior to solicitation of proposals, the PENNTAP Director and the Advisory Council meet with Pennsylvania's Secretary of Commerce to explore current needs and determine areas of immediate priority. Close liaison is maintained, too, with the Governor's Science Advisory Committee which is keenly aware of the technical needs of business, industry, and the Commonwealth.

Since Pennsylvania has a wealth of public and private institutions which have vast experience in providing service to business and industry, PENNTAP uses these resources for carrying out the STSA. Each year, after the priority areas have been established, the more than 100 potentially qualified institutions in the Commonwealth are invited to submit proposals of specific information dissemination projects.

To encourage institutions and to aid them in preparing their proposals, a "Proposal Guide," establishing format and desired information, was published for the institutions' reference. (Pennsylvania is the only state known to assist the qualified institutions with such a publication.) Advisory services of the PENNTAP staff are also available to the institutions, at their request, to assist in the preparation of proposals.

Each year since the inception of the Act, Pennsylvania has conducted an active, statewide program of technical assistance for its business and industry. Currently, our third consecutive STS annual program is operating, and our fourth-year (1969) program is being formulated.

In addition to the accomplishments previously reported to the Office of State Technical Services, PENNTAP has been the stimulus for making possible other activities including:

1. Initiation, at Bucknell University, of a seminar on warm air heating. Additional technical seminars for industry which will operate without PENNTAP financial support are planned.
2. Expansion of "The Sound of Progress," a radio broadcast program, to include the dissemination of not only technical information, but also other data having economic impact. This project, conducted by The Pennsylvania State University is now operating without PENNTAP funds. Two states, Delaware and New Jersey, have requested that "The Sound of Progress" program be expanded to include the tri-state area. Representatives of the three agencies are pursuing this idea.
3. Development, at Drexel Institute of Technology (one of the institutions participating in the MAP Coupling Program), of a short course on "Design with Composite Materials."
4. Development of preliminary plans for establishing a nationwide "Powder Metallurgy Technical Information Clearinghouse" at the Franklin Institute. This Clearinghouse would offer services expanded from the base program begun through PENNTAP.

PENNTAP, to date, has solicited proposals for four program years: 1966-1969. A total of 92 proposals have been received from 18 institutions. Of these, 36 have been selected for inclusion in the Annual Programs.

In the area of proposal evaluation, Pennsylvania is unique in that it has a separate, impartial Evaluation Panel to review the project proposals. The Panel, acting in an advisory capacity to the PENNTAP Director, evaluates and suggests