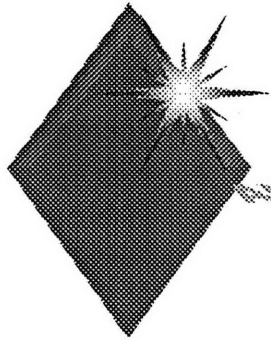


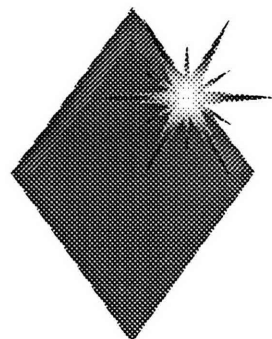
Rural Systemic Initiative (RSI) Program

- The Utah-Colorado-Arizona-New Mexico (UCAN) initiative coordinates activities in nine local coalitions that represent entities in four states, the Navajo nation, and several other reservations and tribes.**
- Project also provides catalytic support to targeted rural school districts for comprehensive programs that lead to improvements in science, mathematics, and technology.**



Alliances for Minority Participation(AMP) Program

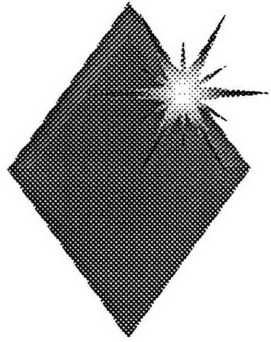
- ❑ 27 alliances are in Place**
- ❑ All Nations AMP (67% Native American). Lead Institution is Salish Kootenai College (MT)**
- ❑ Other Alliance members include 32 Institutions that award SMET degrees, and 25 tribal colleges from 15 states.**



Faculty Enhancement

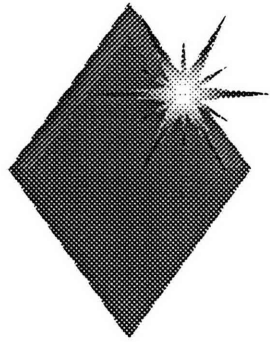
- Workshop to Enhance Native American/Teacher Aides in the use of Calculators in Teaching (ENACT)**

Activity focuses on 30 tribal colleges mathematics faculty and 50 American Indian teacher aides. Project is managed through the Mathematical Association of America.



Course and Curriculum

- ❑ **Project at Haskell Indian Nations University addresses course and curriculum design of Environmental Science Baccalaureate Degree Program Incorporating Native American Wisdom, Traditional Knowledge and Scientific Technology.**
- ❑ **Project at the University of Washington focuses on Curriculum for Chemistry in a Large Urban University; improves opportunities for Native Americans using concepts from existing outreach activities.**



Technology Education

□ Native American Environmental Technology Program

Northwest Indian College, in collaboration with three other postsecondary institutes within the Northwest region, is implementing the development, testing, and transfer of an advanced technical education program for Native Americans.



Presidential Mentoring Awards

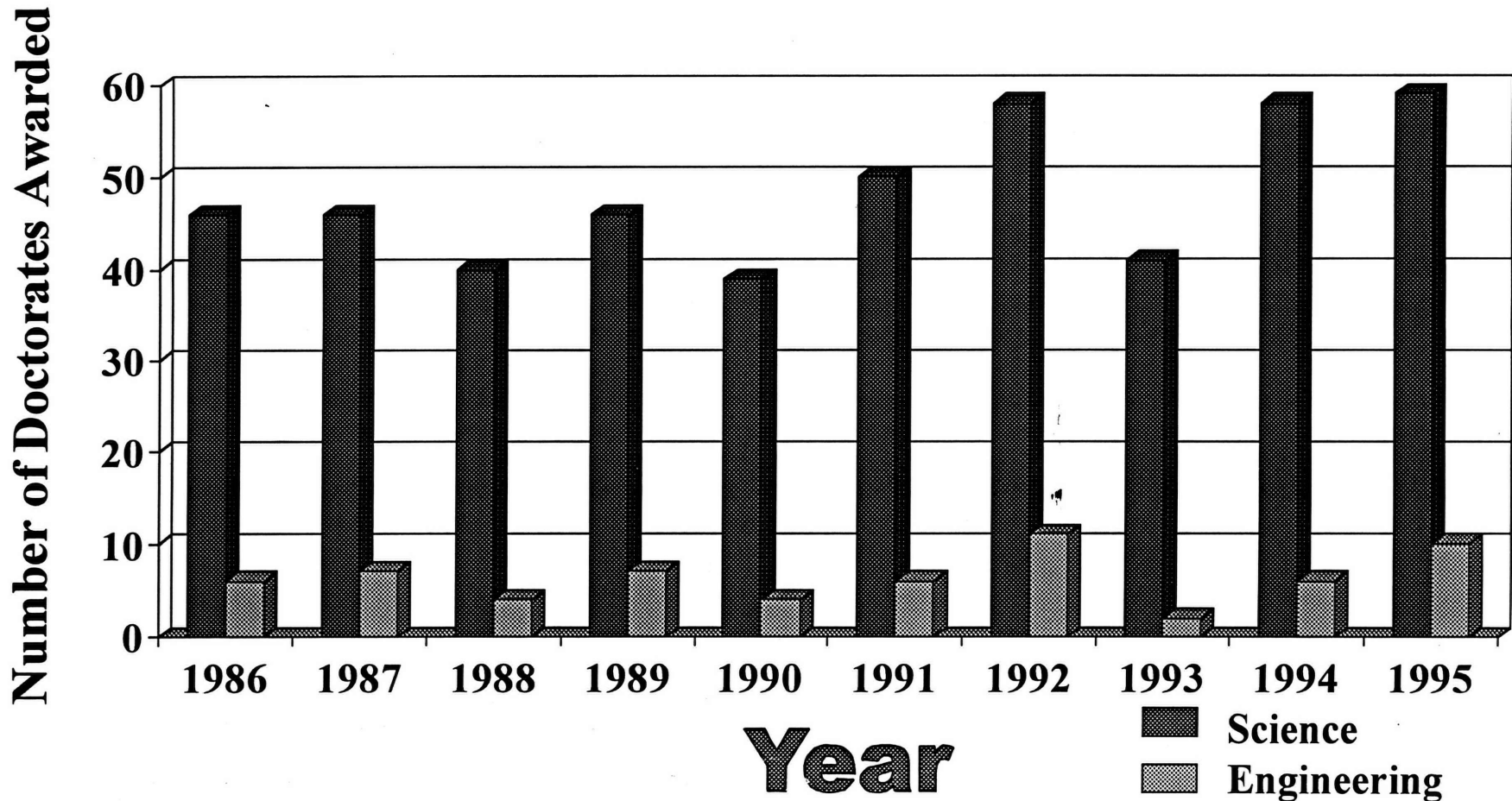
**(Presidential Awards for Excellence in Science, Mathematics,
Engineering Mentoring (PAESMEM))**

- ❑ 1997 Awards: \$10,000 and Presidential Citation**
- ❑ American Indian Science and Engineering Society (AISES)**
- ❑ Scientific Knowledge for Indian Learning and Leadership (SKILL) [K-12 activities]**



Science & Engineering (S&E) Doctorates Awarded

(U.S. citizens, American Indian/Alaskan Native)

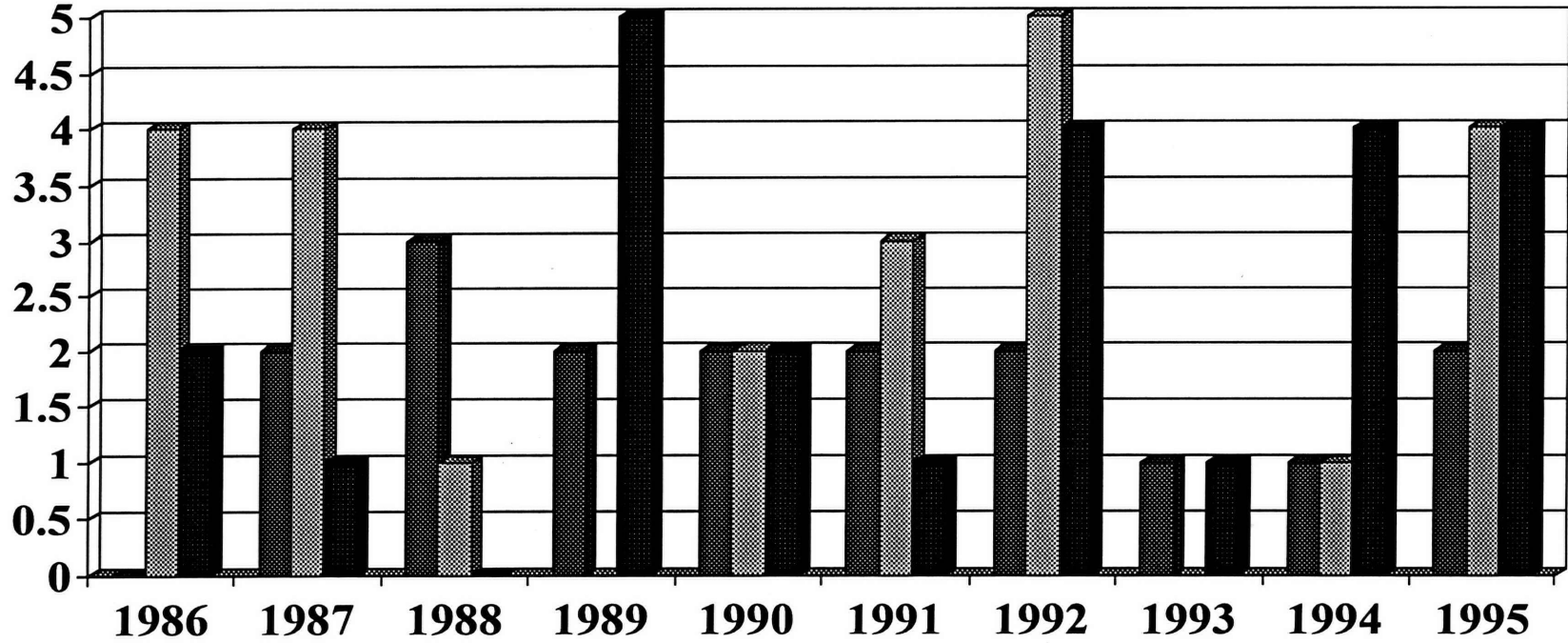




Engineering Doctorates Awarded

(U.S. citizens, American Indian/Alaskan Native)

Number of Doctorates Awarded



Year

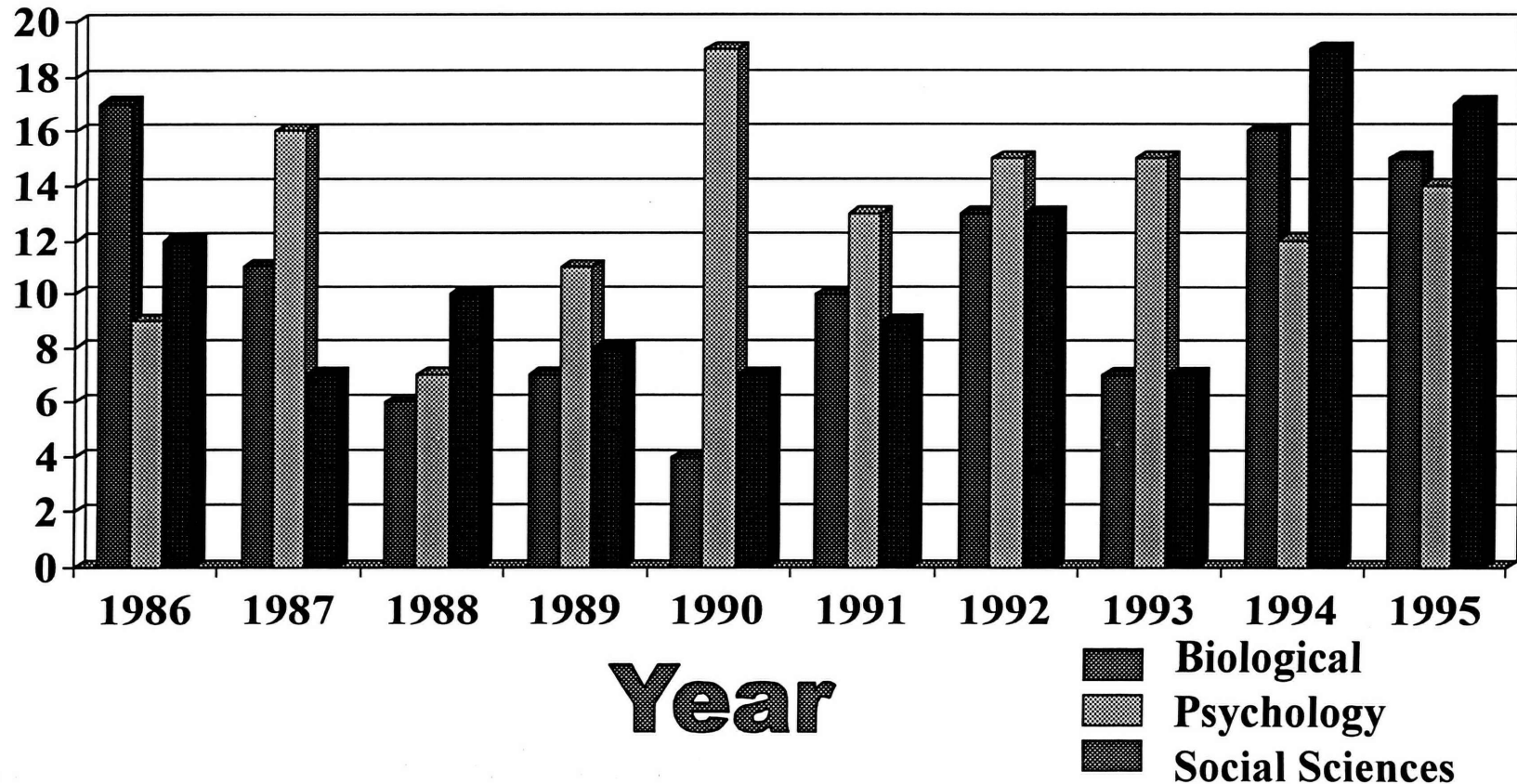
- Chemical & Civil
- Electrical & Mechanical
- Other Engineering



Science Doctorates Awarded

(U.S. citizens, American Indian/Alaskan Native)

Number of Doctorates Awarded

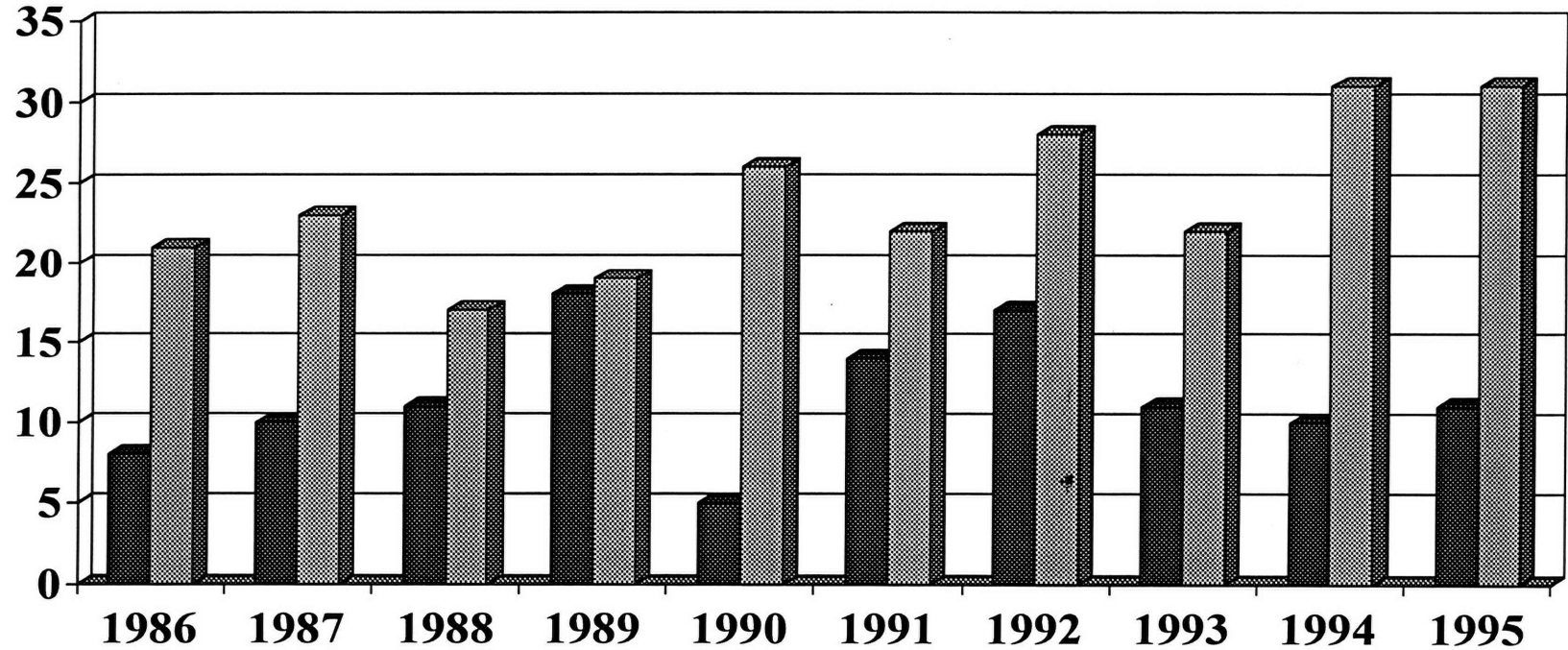




Science Doctorates Awarded

(U.S. citizens, American Indian/Alaskan Native)

Number of Doctorates Awarded



Year

- Physical, Astronomy, Chemistry, Physics, Earth, Mathematics, Computer Science and Others.
- Psychology and Social Sciences.