



SYSTEMS AND RESEARCH CENTER



ALPHA AWARD

Nominee's Name & Job Title, or Team's Name Robert Dahlgren
(In the case of a team, list team members on reverse of form)

Nominee's Department Physical Sciences Mail Station MN17-2341 Phone Number 378-5493

Nominee's Supervisor F. Aronowitz Dept. No. 2882

Mail Station MN17-2341 Phone No. 378-4140

Description of the individual or team accomplishment:

Bob developed a process for making low loss single mode fiber optic couplers. This work was based on a recently published journal article which gave incomplete procedural details. He developed techniques for fusing and stretching fibers while working under a microscope. This included devising a prototype system for packaging finished couplers. The results of his work include couplers with losses of less than 1 dB.

Describe main benefits of the accomplishment to Honeywell:

In our 1982 planning we identified coupler technology as the key milestone for our hydrophone and magnetometer projects. This caused some concern because we recognized that Stanford has spent two years developing acceptable couplers. In a high-risk decision Bob was given a new procedure and asked to implement it. The company benefit was in his accomplishing this in a two month period.

NOMINATING & APPROVAL SIGNATURES:

Nominator (Submitted by) Gordon Mitchell Phone No. 378-4999 Date 3/11/82

Nominee's Supervisor J. Glavin Date _____

Nominee's 2nd-Level Manager J.E. Killpatrick Date 3/15/82

- 1) Submitter sends original to nominee's supervisor, one copy to Winning Edge Director, MN17-2393.
- 2) Nominee's supervisor submits original to Second-Level Manager for approval (by signature) or rejection.
- 3) Nominee's Second-Level Manager sends one copy of approved (or rejected) form to nominee's supervisor, original to Winning Edge Director, MN17-2393.