

**11 MAY 1994**



**Personnel**

**SCIENCE AND TECHNOLOGY AWARDS**

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

---

**NOTICE:** This publication is available digitally on the SAF/AAD WWW site at: <http://afpubs.hq.af.mil>. If you lack access, contact your Publishing Distribution Office (PDO).

---

OPR: HQ USAF/ST (Col Jim Whiting)  
Supersedes AFR 900-13, 26 February 1973; AFR  
900-16, 14 November 1985; AFR  
900-18, 14 October 1970; and  
900-57, 17 September 1990.

Certified by: (Dr. George R. Abrahamson)  
Pages: 4  
Distribution: F

---

This instruction implements portions of AFPD 36-28, *Awards and Decorations*, that cover Air Force-level awards for accomplishments in science and technology. The awards include the Basic Research Award, the Harold Brown Award, the Research and Development Award, and the Science and Engineering Award. This instruction does not apply to the Air Force Reserve or Air National Guard.

**SUMMARY OF CHANGES**

This instruction combines the procedures for these awards.

**1. Purpose.** The Air Force Chief Scientist may give the following awards annually for significant accomplishments in research and development in support of the Air Force mission.

1.1. The Air Force Basic Research Award recognizes scientific efforts and achievements of US Air Force in-house basic research activities and recognizes people who make outstanding contributions in this area.

1.2. The Harold Brown Award, named for the former Secretary of the Air Force, recognizes significant achievement in R&D by one person that led to, or demonstrated promise of, a substantial improvement in the operational effectiveness of the Air Force. It may also be a translation of R&D results into increased operational capability or demonstrated leadership in applying guidance and direction to elements of the USAF R&D Program to enhance Air Force capability.

1.3. The Air Force Research and Development Award recognizes accomplishments of personnel working in the area of Exploratory Technology Development or Advanced Technology Development (funding category 6.2 or 6.3a).

1.4. The Air Force Science and Engineering Award recognizes personnel for outstanding contributions in the following areas of research, development, or engineering. One award may be given each year in each category.

**1.4.1. Research Management.** Given for noteworthy achievement in management in laboratories.

**1.4.2. Exploratory or Advanced Technology Development.** Given for noteworthy achievements in areas of exploratory or advanced technology development (work funded with fund types 6.2 or 6.3a).

**1.4.3. Engineering Achievement.** Given for noteworthy achievements in engineering resulting in improvement in design of components, subsystems, or complete systems for the Air Force. Consideration will be given for reductions in overspecifications.

**1.4.4. Manufacturing Technology.** Given for significant achievement in improving the technology to manufacture Air Force systems by reducing cost or complexity of manufacturing.

## 2. Description of the Awards:

2.1. The primary winner of the Basic Research Award receives a plaque symbolizing individual contributions to the Air Force, a certificate, a cash award provided by the Air Force Office of Scientific Research, and may wear the Air Force Recognition Ribbon (military) or Air Force Recognition Lapel Pin (civilian). Up to four honorable mention winners receive a certificate and a smaller cash award.

2.2. The winner of the Harold Brown Award receives a brass medallion embedded in a lucite block. The winner also receives a certificate signed by the Secretary of the Air Force and the Chief of Staff, and the winner's name is engraved on a

plaque permanently displayed near the office of the Secretary of the Air Force. The winner also may wear the Air Force Recognition Ribbon (military) or Air Force Recognition Lapel Pin (civilian).

2.3. Up to five winners of the Research and Development Award receive a plaque, a certificate, and they may wear the Air Force Recognition Ribbon.

2.4. One winner of the Science and Engineering Award in each category receives a certificate and they may wear the Air Force Recognition Ribbon (military) or Air Force Recognition Lapel Pin (civilian), as appropriate.

## 3. Eligibility Criteria:

**3.1. Basic Research Award.** Air Force military members or civilians involved in some form of basic research may compete for this award. Selection criteria is based on outstanding contributions to basic research during the previous 3 calendar years. You may submit previous honorable mention winners for additional work in their subject area. Nominations are for individual effort. For research teams, submit the individual who is most responsible for the success of the effort. Nominee's contributions:

- must be in a subject area that contributes to technology for the Air Force.
- must be clearly of basic research nature and be distinctive and of exceptional value in the field,
- should be published or accepted for publication in a refereed scientific journal or equivalent.

**3.2. Harold Brown Award.** Any military or civilian member of the USAF engaged in some phase of R&D is eligible for this award. If the achievement was a team effort, submit the individual whose contributions were most responsible for the success of the work.

**3.3. Research and Development Award.** Air Force commissioned officers working in Exploratory or Advanced Technology Development are eligible for this award.

**3.4. Science and Engineering Award.** Air Force military or civilian workers may be nominated for work in the appropriate categories. Don't submit individuals for more than one category in a single year.

**4. Submitting Nominations.** Supervisors submit nominations for each award through their chain of command to the Chief Scientist of the Air Force. Within Air Force Materiel Command, submit nominations through AFMC/ST. Submissions for the Basic Research Award and Harold Brown Award must reach AF/ST by 15 April and submissions for the Research and Development and Science and Engineering Awards must reach AF/ST by 15 May.

**5. Package Contents.** Each awards package will contain 8 copies of the following:

5.1. Supervisor's nomination cover letter.

5.2. Personal biographical data, to include

- Name.
- Grade.
- SSAN.
- Current assignment, to include mailing address and telephone number.
- Education data, to include high school and college(s) attended, dates, areas of study, and degrees.
- Names of spouse and children.
- Parent's names and address.

5.3. Short (not to exceed 100 words) unclassified citation to accompany the award.

5.4. Specific justification for the award. Limit narrative to no more than 3 single spacedpages for the Basic Research Award and Harold Brown Award and one single spaced page for the other awards. Justification narratives should address the following areas:

- Area of endeavor.
- Description of the achievement.
- Uniqueness of the achievement.
- Obstacles overcome.
- Value of the achievement to the Air Force.

5.5. List of published papers, articles, patents and speeches.

5.6. Copy of published or submitted article (Basic Research Award only).

5.7. Letters of recommendation (if desired).

5.8. One AF Form 1001, **Award Recommendation Transmittal**, (5 copy manifold) filled out through item 7 (Basic Research Award only).

**6. How Recipients Are Selected.** A board convened by AF/ST selects award winners. Board members for the Basic Research Award will be prominent scientists covering the fields of research represented by the nominees as well as the Chief Scientist and the Director of the Air Force Office of Scientific Research. The winner of the Harold Brown Award will be nominated by a committee made up of the Assistant Secretary, Acquisition, the Vice Chief of Staff, and the Chief Scientist. The Chief Scientist will chose Research and Development and Science and Engineering board members from the Air Staff and/or Secretariat who will make recommendations to him for approval.

**7. Award Announcements and Presentations.** The Air Force Chief Scientist will:

- notify the Chief of Staff and Secretary of the Air Force of the award winners.
- notify the appropriate MAJCOM and/or FOA commanders of the winners.
- arrange for the presentation of the awards at an appropriate time and place.

For example, the primary Basic Research Award is normally presented at the Fall Scientific Advisory Board meeting.

GEORGE R. ABRAHAMSON  
Chief Scientist