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## Bean, Kenneth E., Collection, 1949-2002

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#92 Bean, Kenneth E., Collection, 1949-2002  
14 folders

## **INTRODUCTION**

Biographical materials, research reports, lists of patents and publications, certificates, awards, and photographs of Kenneth Bean, a 1950 graduate of Pittsburg State University, engineer for Eagle-Picher and Texas Instruments corporations, and pioneer in silicon technology.

## **DONOR INFORMATION**

The materials in this collection were donated to the Leonard H. Axe Library, Special Collections, by Kenneth Bean in 2003 as accessions 03-12 and 03-22.

## **BIOGRAPHICAL SKETCH**

Kenneth E. Bean was born in Independence, Missouri, and raised in southeast Kansas. During World War II he served in the 31<sup>st</sup> Infantry Division in the Pacific Theater, earning a U.S. Infantry Combat badge, a Bronze Star, a Purple Heart, and a Presidential citation for participation in the Philippine Campaign. Following the war, he attended Kansas State Teachers College, now Pittsburg State University, where he received a bachelor's degree in physical chemistry in 1950.

After graduation, Bean taught physics and chemistry and coached in the Galena, Kansas, public school system for three years. From 1953 to 1962 he worked for the Eagle-Picher Company research laboratories in Joplin, Missouri, where he developed the process for the first production of electronic grade silicon and he synthesized the first electronic grade elemental boron. From 1962 until his retirement in 1989, Bean was a research engineer with Texas Instruments Corporation.

Bean published over forty research papers and several book chapters. He has over 40 U. S. patents and over 100 international patents to his credit. In 2005 Kenneth Bean was recognized by Pittsburg State University with a Meritorious Achievement Award.

## **SCOPE AND CONTENT NOTE**

The Kenneth E. Bean Collection is organized into four series. The collection provides an overview of his professional life and his pioneering research on silicon. The **Biographical Series** includes a variety of publications with brief sketches of Bean's life and professional contributions. Included are Texas Instrument publications, publications and programs that document his contributions to European conferences, lists of Bean's patents and publications, and information about awards and certificates he has received.

The **Eagle-Picher Series** contains copies of Bean's earliest research reports on electronic grade silicon and its implications. These reports date from 1953 through 1958. The **Papers and Programs Series** contain a few of Bean's articles and programs he attended of the Electrochemical Society and the Continuing Education Institute meetings.

The **Photographs Series** includes only images of Pittsburg State University and the city of Pittsburg, taken when Bean was a student at the University, ca. 1949. Included are homecoming scenes, various campus scenes, and photographs of the Pittsburg area.

FOLDER LIST

**Biographical Series**

- f. 1 Texas Instrument publications
- f. 2 CEI-Europe/Elsevier publications
- f. 3 List of patents; List of publications
- f. 4 Awards and certificates

**Eagle-Picher Company, Reports Series**

- f. 5 1953 reports
- f. 6 1954 reports
- f. 7 1956 report
- f. 8 1957 report
- f. 9 1957 report
- f. 10 1958 report

**Papers and Programs Series**

- f. 11 Papers / Articles
- f. 12 Electrochemical Society; Continuing Education Institute programs

**Photographs Series**

- f. 13 Homecoming Scenes [1949]
- f. 14 Campus Scenes/Miscellaneous

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