

**HRB**  
~~SECRET~~**H R B - S I N G E R , I N C .**

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**LEE M. HAMMARSTROM****Engineer****BIRTHDATE:** 11 February 1939 at Barnesboro, Pennsylvania.**EDUCATION:** Bachelor of Science in Electrical Engineering, The Pennsylvania State University, 1962. Graduate Studies in Electrical Engineering, The Pennsylvania State University, 1962 to present.**EXPERIENCE:** 1. 1962 to present: Engineer, HRB-Singer, Inc.

Mr. Hammarstrom is assigned to the Electronic Systems Department of HRB-Singer where he is participating in the design and development of various electronic components for systems which HRB is designing.

Mr. Hammarstrom has worked in the development of UHF and VHF broadband specialized amplifiers. He has assisted in the design of UHF and VHF panoramic receivers and has helped design specialized analysis equipment.

Mr. Hammarstrom recently performed duties as a field engineer and helped install, field test and calibrate a large, airborne intercept system (including analysis equipment) which HRB designed and developed.

Mr. Hammarstrom has performed propagation measurements in the VLF region of the spectrum as a field engineer.

2. 1961-1962: Research Assistant, The Pennsylvania State University.

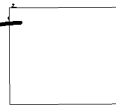
Mr. Hammarstrom participated in the design,

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A S U B S T I T U T A R Y O F T H E S I N G E R G I O V M L E A V I A N A  
B Y E M A N  
C O N T R O L S Y S T E M O N L Y

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calibration and maintenance of electronic and acoustical equipment while a student at Penn State.

- 3. 1960-1961: Electronic Technician, The Pennsylvania State University.

During this period Mr. Hammarstrom performed electronic technician duties.

MARITAL STATUS: Mr. Hammarstrom is single.

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**HRB****H R B - S I N G E R . I N C .**  
SCIENCE PARK, P.O. BOX 60 • STATE COLLEGE, PA. • ADAMS 7-7611~~SECRET~~**WILLIAM B. GEIBEL**  
Technician

**BIRTHDATE:** 15 June 1940 at Butler, Pennsylvania.

**EDUCATION:** Courses in Electrical Engineering, Bucknell University, 1959. Ground Radio Equipment Repairman School, Keesler Air Force Base, 1959. Radar Operator and Technician Course, A.C.F. Industries, 1961.

**EXPERIENCE:** INDUSTRIAL:

1. 1963 to Present: Technician, HRB-Singer, Inc.

During this period Mr. Geibel has constructed, aligned and taken measurements of the following equipment: a. Panoramic receivers (30 to 300 mc) which use transistorized log video and vari-cap tuned circuits. b. Transistorized multicouplers having four (4) through eight (8) outputs in a frequency range of 1 to 600 mc. c. Oscillators ranging from 50 cps to 500 mc. d. A preselector with a dynamic spur free range of 70 db and a 3 mc bandwidth at the 6 db down point.

MILITARY:

1. 1961-1963: Airman First Class, USAF.

During this period Mr. Geibel maintained and operated a highly sophisticated backscatter system.

2. 1959-1961: Airman Second Class, USAF.

During this period Mr. Geibel repaired, maintained and taught military personnel on the following equipment: CRD-6, GRT-3, BC-610, GRR-7, GRC-27, BC-639, BC-640, ARC-27, RD-142, 99C, SCR-522, Tower Control Console, SP-600, AM-447, and associated test equipment. Also during this period Mr. Geibel performed maintenance on TACAN and TVOR equipment.

**MARITAL STATUS:** Mr. Geibel is married and has one (1) child.

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