

INTRODUCTION:

Radio Research has, for the past fifty years, been a supplier of radar systems and major sub-items of equipment to all aerospace companies and all branches of the U.S. Military. We are now in the unique position of having the world's largest inventory of radar systems, sub-systems and spare parts plus the added ability to test and calibrate these various systems. Testing can be accomplished in all phases from the full system to the component or chassis level. In most cases the fully operational and tested unit will be available from stock for immediate delivery on a turn around basis.

TEST FACILITIES:

The main offices of Radio Research are located in a 300,000 square foot building in Waterbury, Connecticut as well as three other locations, and approximately 20,000 square feet of area is dedicated to test and alignment. Component and chassis testing is accomplished by using the "main frame" or system so that there are no interface problems when the units are installed in the field. The test facility meets all requirements of the U.S. GOVERNMENT INSPECTION SYSTEM MIL-1-45208B and has been used extensively covering the requirements of many Government contracts. A complete set of modern test instruments, fully calibrated, are available for any testing requirement that may be required. In addition, an extensive library of Technical Manuals and prints are available for both electronic and mechanical rebuilding and calibration as well as new manufacture.

LABORATORY AND TEST FACILITIES:

Our laboratory facilities are set up for U.S. Military DCAS test and inspection to MIL STANDARD 1-45208B.

WE HAVE MICROWAVE RF AND HIGH VOLTAGE, HIGH POWER TEST CAPABILITIES:

Radio Research has the capability to perform MICROWAVE AND HIGH VOLTAGE testing of components and systems. We are fully certified using MIL-1-45208B inspection system. Testing would be performed in our test lab which has available HF through Ka Band HIGH POWER MICROWAVE sources in addition to PULSE MODULATORS with outputs up to 50 megawatts.

M-33/NIKE CAPABILITIES & FOLLOW-ON MODIFIED SYSTEMS:

Radio Research has special testing facilities for Western Electric developed systems, such as the M-33, Nike Ajax and Hercules. Included in the facility is the Maintenance Shop I (MPM-46B), Shop II (MPM-44A) and Shop III (MPM-52A). In addition to the testing and alignment capabilities, an extensive inventory of over 9000 line items is available as replacement parts. The vast majority of these parts were originally manufactured by Western Electric for U.S. Army ordnance. Also in stock are parts for many systems that were derived from either the Nike or M-33 systems such as: MSQ-35, 39, 44, 51 and 77, TSQ-81 and 96 and other Reeves Instrument Corporation modifications and systems such as: MPS-19, MSQ-1, MSQ-1A, Verlort, Prelort, TSQ-96, etc.

COMPLETE FACTORY NEW REFURBISHING:

Our shop force is trained and equipped for the thorough "refurbishment to new" of all mechanical and electrical equipment.

TECHNICAL CAPABILITIES:

Radio Research has a combined fifty years of experience directly related to radar systems. Our Engineering and Technical Staff is currently engaged in the manufacture, refurbishment and modification, as well as training and instruction of user personnel of various units under contract both to the U.S. Government, Foreign Military Sales Programs, the Aerospace Industry, and University and Research Labs.

INVENTORY:

Our 300,000 square foot warehouse, accommodates our large inventory. All stock is under computer control for immediate access giving us QUICK REACTION TIME to your "RUSH" requirements. Fax us your U.S. D.O.D. part numbers for quick response.

We have full technical information and prints for the new manufacture of most U.S. Military GFE supplied radar system replacement parts as well as MIL Specification facilities for in-house manufacture and testing of same.

Radio Research has in stock Complete Systems and/or Spares for the following and many more . . .

AN/ALT-6-7-8	AN/TPN-12-17
AN/APG-30-32	AN/TPS-1D-1E-10D-10G-43E
AN/APN-69-81-89A	AN/TPS-34B-37-39V-40-25
AN/APN-108-126-169	AN/TPX-17-21-27
AN/APS-20-31A-33-42-45	AN/TRC-80-170
AN/APX-6	AN/URP-25-35-62C
AN/ABN-21	AN/URP-4-6-14
AN/ASB-4-9	HAWK
AN/CPN-2A-8-18	HIPAR
AN/FPA-28	E-4
AN/FPS-6-8-14-16-18-33-37-89	MD-7
AN/FPS-36-40	M-33
AN/FPS-20-26-71-75-77(V)-88	MK-25
AN/FRC-39	MK-28 Mod 3
AN/FRT-15	MK-34 Mod 2
AN/GPA-8-30-126	MK-57 Mod 0
AN/GSS-1	Nike Ajax-Nike Hercules
AN/MPQ-4A-10-12-21-29	Mod 2 Reeves
AN/MPS-9-16-19	OA-653 /MS
AN/MPX-7	SCR-584
AN/MSQ-1-1A-2	ASR-2-3-5
AN/SPA-4A-8	SO-9
AN/SPN-5-7-8	T-9-33-38
AN/SPS-38-6C-8	Verlort
AN/SRM-4-6	Prelort
AN/SRW-4C	

JOIN THE WORLD LEADERS NOW DOING BUSINESS WITH RADIO RESEARCH!

FERMI LABS	US ARMY
REDSTONE ARSENAL	HARRY DIAMOND LAB
BELL LABS	UNITED AIRCRAFT
WESTINGHOUSE	NORTHROP/GRUMMAN
G.E.	HUGHES
SRI	FORD AEROSPACE
SANDERS	LOCKHEED
GENERAL DYNAMICS	WHITAKER
MIT	NASA
NCAR	HITACHI
SANDIA LAB	NIPPON ELECTRIC
UNIV. CALIF.	BELGIAN AF
LAWRENCE—	GREEK AF
LIVERMORE LAB	DORNIER
GRUMMAN	DFVLR
AVCO	FINNISH AF
NRL	NATO
IBM	ELEKLUFT
EMERSON	RANDTRON SYSTEMS
MCBIL OIL	RAYTHEON
CAL TECH	ATOMWC ENERGY—
JPL	AGENCY U.K.
NOAA	PAKISTAN AF
PHYSICS INTL	SUPARCO
LOS ALAMOS	ITT GILFILLAN
NATIONAL LAB	LOCKHEED MARTIN
LINCOLN LAB	BOEING
WESTERN ELECTRIC	SAIC
SPERRY	OAKRIDGE LAB
USAF	FAA
USN	



RADIO RESEARCH ENGINEERING SERVICES

Radio Research can modify, upgrade, retrofit, and rebuild existing radars in your forces.

Manufacturers with "government furnished equipment" can receive service assistance and upgrade/rebuild services from Radio Research, as well as equipment spares and tubes, including Magnetrons, Klystrons, Thyratrons, Klystron Amplifier, TWTs, etc.

We can modify existing radars to:

1. Increase receiver sensitivity
2. Increase power output
3. Update to coaxial Magnetrons
4. Transistorize existing tube-type chassis
5. Substitute Digital Computers for Analog Computers
6. Improve video displays to computerized multi-target displays

We have "depot style" capability to rebuild and retrofit existing systems for all services, Army, Air Force and Navy.



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MAGNETRON REPAIR REBUILDING SERVICES

Radio Research will repair Magnetrons built by any manufacturer. Repairing Magnetrons will have a significant cost advantage over building a new device. Radio Research engineering staff has over 30 years of experience with Magnetron and Magnetron related problems. When you have a problem that requires **COST EFFECTIVE REPAIR AND REBUILDING...**

CONTACT US!

RADAR REPAIR



WE DO RADAR REPAIR ON ALL U.S. ARMY, NAVY, AIR FORCE AND MARINE RADAR SYSTEMS TO CURRENT JAN SPECS... MEETING RAPID DELIVERY NEEDS AS REQUESTED!

RADIO RESEARCH HAS THE WORLD'S LARGEST INVENTORY OF RADAR SPARES FOR MANY U.S. GOVERNMENT FURNISHED EQUIPMENTS.

**NIKE HERCULES-AJAX,
HAWK, M-33, SCR-584,
APQ-109/120/153/170,
FPN-36/40, QUAD MK-V,
FPS-6/89, FPS-8/33/37/88,
FPS-18, FPS-20/100,
FPS-36/71/75, MPS-19,
OA-929, UPA-35/62C,
TPS-1D/E/G-TPS-25,
MPQ-4A, TPS-43E & OTHERS**

SPARES ARE SUPPLIED FROM OUR INVENTORY WITH FULL CERTIFICATION AND INSPECTION TO SUIT ANY GOVERNMENTAL REQUIREMENT FOR QUALITY ASSURANCE. RADIO RESEARCH IS FULLY QUALIFIED TO PERFORM MIL-I-45208 INSPECTION REQUIREMENTS. DELIVERY CAN BE MADE RAPIDLY FROM OUR "OFF THE SHELF" CAPABILITY.



TEST AND ENGINEERING CAPABILITIES

Radio Research has been a supplier of Radar Systems and parts to all D.O.D. agencies and major aerospace companies. We have complete U.S. Government MIL-I-45208 inspection system capabilities. A complete modern test laboratory is available for high power testing requirements. Our engineering capabilities include modification of existing systems and new design.