CONDITIONS OF SALE

TO OUR CUSTOMERS:

1. All items listed are subject to prior sale and availability.
2. All items are AS IS unless the condition is specified.
3. All items are used unless specified as new or unused.
4. Prices listed are those in force at the present time, but we reserve the right to change them without notice due to our changing costs.
5. All New York residents must include Sales Tax.
6. We will attempt to answer any questions you might have but please enclose a SASE.
7. We will ship materials the way you request if possible or you can have us ship it the way we feel is best.
8. We are constantly getting in new equipment, so if you do not see something listed on our sheets please let us know what it is that you are interested in. We may have just received it or can obtain it for you.
9. Please enclose sufficient postage for goods ordered, which are to be sent through the mail.
10. Machines and other heavy items will be shipped freight collect unless requested to do otherwise. You pay for shipping when the material is delivered.
11. On Machines that are marked as Checked, we have tested the machines to insure that they are operating properly and adjusted them if necessary. These machines are in good condition, but they are not rebuilt or overhauled.
12. Checking and adjusting machines take time so please be patient.
13. Payments will be by cash, check or money order. Please make payments payable to: Atlantic Surplus Sales Co.
14. Remittances should be in U. S. dollars.
15. Where given, weight and dimensions of items are approximate.
17. We reserve the right to limit quantities.

Atlantic Surplus Sales
3730 Nautilus Avenue  •  Brooklyn, New York 11224
Tel: (212) 372 - 0349
MODEL 15: These Page Printers come as either a KSR or RO type. The KSR units are complete with keyboards, green keytops, and copyholders. Both the KSR and RO are heavy duty units that were built for continuous duty use. The Model 15 has through the years earned the reputation as the "WORKHORSE" of the industry. The machines are equipped with 115 V AC, 60 cycle Syn. Motors. They come with 66 WPM gears but operate at 60 or 75 WPM with the proper gears. These machines are ideal for anyone needing a machine capable of providing hard copy, be it amateur or commercial.

Checked out.....KSR Type...with keyboard............Cat. #20A 120
Checked out.....RO Type....without keyboard........Cat. #21A 95

KEYTOPS
If you need them, we've got them.
They are for model 14, 15 & 19 machines and are green in color.
Cat. #22B 50

WINDOW GLASS
Use these on your model 14, 15 & 19 machines and keep the dust out and the noise in.
Cat. #29C 3.50

TYPE BARS
Replacement type bars for model 14, 15 & 19 machines.
Cat. #24C 1.00

Atlantic Surplus Sales
3730 Nautilus Avenue · Brooklyn, New York 11224
Tel: (212) 372 - 0349
MODEL 19

This set consists of a Model 15 page printer, plus a keyboard operated (mechanically) tape perforator. A model 14 Transmitter Distributor (tape reader) and a power supply complete the set. Machines operate at 60, 67, or 75 WPM with the proper gears. Takes standard 11/16" perforator tape and punches chad type of holes in that the hole is completely punched. Makes an excellent set for those just starting.

Model 19 Set... Checked out .................. Cat. #41A
Model 19 Table... Checked out .................. Cat. #42A

POWER SUPPLY

These are small, compact units measuring 4" x 3½" x 2½". Great for a local loop supply and other applications. Requires 110 V AC in and provides 110 V DC out.
Power Supply... Cat. #44A

POWER SUPPLY

Heavy duty types for use with your model 15, 19 etc. machines. Several types available but they all require 110 V AC in and provide 110 V DC out.
Power Supply... Cat. #43A

POT

Ceramic type rated at 25 Watts, and 3500 ohms, or similar. They are great for setting up your local loop when used as your loop current limiting resistor.
Pot........... Cat. #45A

Atlantic Surplus Sales
3730 Nautilus Avenue • Brooklyn, New York 11224
Tel: (212) 372 - 0349
**MOTORS**

1800 rpm Syn.
motors 115 V AC
60 Cycle. Used
in Model 14, 15,
or 19 Machines.
Motors checked
for proper oper-
ation. Cat. #31A

**KEYBOARDS**

ANSWERBACK-KEYBOARD ATTACHMENT for
Model 15, with attachments to set up
identifications (such as your call)
with a maximum of 21 characters possi-
ble. Add a little convenience into
your life. Will ship necessary parts
to be screwed onto your keyboard to
do the job. Cat. #33A

Change your Model 15 RO to a KSR or
get a spare keyboard. Keyboards are
sold complete and checked with key-
tops. Cat. #32A

**TRANSMITTER DISTRIBUTORS**

This is the machine that reads your
punched tape. It is equipped with
an 1800 rpm Syn. motor and comes
complete and checked out for 67 WPM.
These machines will operate at 60
67, 75 or 100 WPM with the proper
gears. Cat. #34A

**REPERFORATORS**

Several types available but basically
all used to punch tape which could
later be played back using your Trans-
mitter Distributor. They punch and
type on the tape and are of the Chadless
variety in that the punchings are not
completely removed but rather form a
hinge. The machine can be hooked into
your loop to record incoming or outgo-
ing information. The Model 14 Reper-
forator comes with and without keyboard.

M-14 Type/Reperf/KeyBd. Checked. Cat. #35A
M-14 Type/Reperf/No KeyBd. CheckedCat. #36A

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Atlantic Surplus Sales
3730 Nautilus Avenue • Brooklyn, New York 11224
Tel: (212) 372 - 0349
ELECTRIC PAPER WINDER

These units automatically wind up your printed copy onto a cylinder as it emerges from your machine. Operate from 115 V AC 60 cycle. Checked out...........Cat. #51A

TAPE REELS

Use to store your perforated tape for safe keeping or use them to make up a tape handling unit...........Cat. #53A

PAPER WINDER HOLDER

Mount these onto the rear of your machine, add a paper spindle and a little ingenuity and you have a mechanical paperwinder, or get a small A.C. motor and convert it to an electrical power winder. Cat. #52A

DISTORTION TEST SCOPE

Stelma type TDA-2, allows you to visually check for worn, dirty or problem contacts in your Teletype machine. Operates at 60, 75, or 100 WPM. Power required is 110 Volts AC, 60 Cycle...........Cat. #54A

We have parts for Teletype, Mite, Lorenz and Kleinschmidt Machines.

Atlantic Surplus Sales
3730 Nautilus Avenue • Brooklyn, New York 11224
Tel: (212) 372-0349
LORENZ MODEL 15: These are beautiful machines made by Lorenz and are similar to the Teletype Model 15 except are much newer units and have many added features. Units come as either KSR type or ASR type. All units come with Here-Is Answer back attachment, built in fluorescent copy light, copy holder, light green covers, and white keytops. These machines are much smoother running than the older model 15 and about 75% of the parts are interchangeable with the Teletype model 15. Machines complete with 115 V AC Syn motor, 60 cycle and are built for continuous duty use. These are heavy duty machines and are ideal for commercial or amateur use. Machines come set with 66 WPM gears but run at 60 or 75 WPM with the proper gears. The Model 15ASR version has a reperforator (tape punch) built in on the left side and a transmitter distributor (tape reader) built in on the right side. All units mount on the main base making the unit like a compact model 15 but with full reperforator and TD built into one machine. Machines are sold in checked out condition and are probably a best buy for the Amateur.

Checked out.....KSR Type...No tape gear...............Cat. #11A 95
Checked out.....ASR Type...Full tape equipment......Cat. #12A 285
Table..............................Cat. #13A

Atlantic Surplus Sales
3730 Nautilus Avenue • Brooklyn, New York 11224
Tel: (212) 372 - 0349
**MODEL 15 PAPER CRANKS**

Scarce animal. So much so that we do not even include them with our own model 15 machines, except if specifically ordered as an extra.

Model 15 Paper Crank .................. Cat. #25C

$12.50

**PAPER SPINDLES**

Holds your roll of paper or perf. tape on your machine. Replace your cracked one.

Model 15 paper spindle (wood) .............. Cat. #27C
Model 15 paper spindle (metal) .............. Cat. #27D
Model 32-33 paper spindle ............... Cat. #27E
Model 32-33 Perf. Tape Spindle .......... Cat. #27F
Model 28 or 35 Paper Spindle .......... Cat. #27G

**MODEL 15 CARRIAGE RETURN STRAPS**

Necessary to return the M-15 carriage back to its starting position. Always seems to break at the wrong time.

Model 15 C.R. Strap .................. Cat. #26C

$18.85

**COVERS AND CABINETS**

We have them to fit all your machines. Covers and cabinets are USED but in good shape (no dents).

Model 14 T.D. cover .................. Cat. #29A
Model 14 Typing Reperf ............... Cat. #29B
Model KSR .......................... Cat. #29C
Model RO .......................... Cat. #29D
Model 19 KSR .......................... Cat. #29E
Model 28 Table Top .................. Cat. #29F
Model 28 Floor Stand .............. Cat. #29G

**PORCELAIN FUSE RECEPTACLE**

If your machines are not equipped with one, for safety sake get one. Mounts on the base of your Model 15, etc., and protects your motor, and YOU!

Fuse Holder complete with fuse . Cat. #26E
Spare fuses .................. Cat. #26F

**TEST SET TS-2TG**

Teletypewriter signal distortion test set capable of sending normal or distorted signals for testing Teletypewriter circuits and equipment. Operates at 60, 75, or 100 wpm. Requires 115 V AC 50-60 cycle for motor and 60 ma teletype input signal. A character selecting switch allows for automatic transmission of the letter R, Y, or Test Message (The quick brown fox jumped over the lazy dogs back). Weight 70 lbs.

Test Set TS2-TG .................. Cat. #28A
Technical Manual .................. Cat. #28B

Radio • Electronics • Telephone • Teletype • Equipment
Model 28 receive only, is the same heavy duty machine as the 28 KSR except contains no keyboard, and is used for printout only. Machines are capable of operating at 60, 67, 75 or 100 WPM with the proper gears.

Model 28 RO..checked out..Table Top..Cat.#64A
Model 28 RO..checked out..Floor Cab..Cat.#65A

Model 28 ASR is a heavy duty page printer capable of copying at 100 WPM speed all day long. It has a built in tape punch and a tape reader (transmitter distributor). The Model 28 ASR will do anything the older model 19 will do and lots more. Machines were designed with future expansion in mind thus making them extremely flexible units with many options available. Considered to be the Ultimate in teleprinter equipment.

Model 28 ASR..Checked out..Cat.#61A

We have parts for your teleprinter so let us know what you need......

WANTED

- MACHINES

- PARTS

- MANUALS

Atlantic Surplus Sales
3730 Nautilus Avenue • Brooklyn, New York 11224
Tel: (212) 372-0349
LPR TYPING REPERF. HEADS appear complete and in good condition. Several numbers such as LPR-35, 37, etc. available. Some units are chad type and others are chadless, but all take 11/16" tape. Use as spare heads or build your own typing reperforator.
Model 28 Typing Reperforator...Cat. #71A

TYPE LXD T.D. complete with motor, cover, base and fully stand alone type. They are typical of the 28 line in being heavy duty and built for continuous use. Units operate at 60, 75 and 100 WPM. $125.00
Model 28 T.D. checked out...Cat. #72A

Model 28 Receive Only Typing Reperf. Set provides the capability of punching tape from signals received from the air. Gives you the ability to copy picture tapes as well as all other material normally printed on your page printer. It can also be used to punch tape using your keyboard. Units are available as single speed ROTR, 60, 67, 75, 100 wpm or with a 3 speed gear shift allowing 60-75-100 wpm operation without changing gears.
Model 28 ROTR Set...Single Speed Cat. #74A
Model 28 ROTR with 3 Speed Gearshift Cat. #74B

Model 28 Keyboard Typing Reperf. A complete Send and Receive Tape Set that allows you to punch tape through use of its keyboard, or from an incoming signal. Units have a character counter as well as an end of line indicator. Gears available for 60, 67, 75 or 100 wpm.
Model 28 KTR Set..........................Cat. #73A

Atlantic Surplus Sales
Radio - Electronics - Telephone - Teletype - Fax - Equipment
MODEL 28-ASR

The Model 28 ASR is a heavy duty, Automatic Send Receive Teletype machine made for continuous operation at any one of four speeds, 60, 67, 75, or 100 wpm. The M-28ASR is capable of printing on its printer unit, punching tape through its tape punch, as well as reading paper tape through its tape reader (TD). The machine allows for preparing tape using the keyboard, while simultaneously receiving messages on the page printer portion. The most popular and sought after machine used by Radio Amateurs as well as commercial users of Teletype equipment today.

Checked out (Re-wired for amateur use) ........................................... Cat. #61A 395.00
Unchecked out (Re-moved from commercial service) .................. Cat. #61B 295.00

Atlantic Surplus Sales
Radio - Electronics - Telephone - Teletype - Tax - Equipment
COMPUTER TERMINAL SET

MODEL 33 TERMINAL

Model 33 Automatic Send-Receive (ASR) Teletypewriter Set

Model 33 Keyboard Send-Receive (KSR) Teletypewriter Set

The Model 33 Teletypewriter operates at 10 characters per second (110 baud) and uses the ASCII code. It is available in a Receive-Only (RO) set, Keyboard Send-Receive (KSR) set, and an Automatic Send Receive (ASR) set. The ASR set contains a tape reader and punch. Machines available for Friction Feed (FF) or Sprocket Feed (SF).

Although in the past we offered only Commercial Grade Model 33 Teletype machines, due to the large demand for an Inexpensive Hobby Grade Computer Terminal, we are now offering Model 33 Terminals in a Hobby Grade. These machines are sold in the same condition as received by us, however they are checked for completeness and for operation. A "Best Buy" at our low price.

**MODEL 33 RO**

The ideal hard copy printer for your computer system. Machines come set for 20 or 60 ma signal line current.

- M-33 RO Hobby Grade . . . Cat. #148B

**MODEL 33 KSR**

Provides keyboard input and hard copy output facilities for your computer.

- M-33 KSR Hobby Grade . . . Cat. #147B

**MODEL 33 ASR**

Provides everything the model 33 KSR has but also has full paper tape preparation and sending facilities.

- M-33 ASR Hobby Grade . . . Cat. #146B

There is a $10.00 Packing fee on all orders for Printers

**Atlantic Surplus Sales**

3730 Nautilus Avenue • Brooklyn, New York 11224

Tel: (212) 372 - 0349
MODEL 32 KSR

Attractive page printer complete with keyboard and capable of 100 WPM operation. Smooth, quiet units, ideal wherever an input-output machine is required.
Model 32KSR..checked out..Table Top 375
Cat. #143B
Model 32KSR..checked out..Floor Stand 395
Cat. #144B

MODEL 32 ASR

Modern machines complete with page printer, keyboard, (tape punch) reperforator, and transmitter distributor (tape reader). Tape punch equipped with back-space to enable tape corrections. Machines are compact, quiet running and of late design.
Model 32ASR..checked out..Table Top 595
Cat. #141B
Model 32ASR..checked out..Floor Stand 590
Cat. #142B

MODEL 32 RO

Self contained, compact, receive only machines, complete and ready to operate. Used for print-out only and at speeds up to 100 WPM.
Model 32 RO..Checked out.Cat.#145B

We cannot list everything, therefore, if you need something special and do not see it, let us know. We may have exactly what you want.

Atlantic Surplus Sales
3730 Nautilus Avenue • Brooklyn, New York 11224
Tel: (212) 372-0349
PATCH PANELS

Female jack panels containing 144 jacks. These units came from 19" rack cabinets and are heavy duty. Takes 1/4" plug.
Jack Panel .......... Cat. #191A $2.95

PATCH PANEL

Female jack panels containing 24 jacks. Takes 1/4" plugs.
Fits onto standard 19" rack.
Jack Panel .......... Cat. #192A $1.25

HEAVY DUTY RACK CABINETS

Heavy gauge rack cabinets measuring 24"W. x 82H. x 26"D. Cabinets have open fronts and doors in rear. If you have been short of space, now is the time to put your equipment in a rack. Units are blue with aluminum trim.
Rack Cabinet .......... Cat. #195A $7.00

PRINTED CIRCUIT CARD HOLDERS

Holders come with sockets still in place. They measure 22½" x 15" x 8" and will hold 20 boards. Use them as is or modify to suit your needs.
P.C. Card .......... Cat. #196A

TUNING FORKS

Use these to set your motor to the correct speed. We have them for 120 VPS and 96.19 VPS. Both types are unused.
120 VPS ............... Cat. #197A
96.19 VPS ............. Cat. #198A

MOTORS

Mite, 115 V AC 60 cycle Syn. motors with connectors unused.
Mite Motor .......... Cat. #199A $30.00

Atlantic Surplus Sales
3730 Nautilus Avenue • Brooklyn, New York 11224
Tel: (212) 372 - 0349
ACCESSORIES

ROLL PAPER
8-1/2" wide and 4-1/2" diameter for use with your Friction feed machines.
Sold by the Roll $3.75 Cat. #1A
Save buy the case (12 rolls) $21.95 Cat. #1B

Roll paper for your friction feed machines for use where a better grade of paper is required. Standard size of 8-1/2" wide and Bond grade.
Bond roll paper per roll $4.75 Cat. #1C
Case of 12 rolls $46.83 Cat. #1D

Sprocket (Pin Feed) roll paper in standard width of 8-1/2" and 4-1/2" diameter. Available in Bond grade only.
Sold by the roll $6.75 Cat. #1E
Save buy the case (12 rolls) $65.22 Cat. #1F

TAPE
Perforator tape comes 1" wide and 8" diameter.
Sold by the roll Cat. #316
Box of 7 rolls Cat. #317
Case of 28 rolls Cat. #318

Perforator Tape comes 11/16" wide and 8" diameter. Use with your model 14, 19, 28 and 32 machines.
Box of 10 rolls $6.90 Cat. #2A
Case of 40 rolls $24.80 Cat. #3A

RIBBONS
They come either all black (purple) or red and black and will fit all Teletype Printers and Typing Reperforators.
Red/Black Cat. #4A
Black (Purple) Cat. #5A

MECHANICAL TAPE WINDER
Several types available but all are spring operated units capable of automatically winding your tape as it leaves your Tape Reader or Punch. Unit winds tape when slack and stops when taut. Winders are thoroughly tested before shipping. Cat. #92A

Atlantic Surplus Sales
3730 Nautilus Avenue • Brooklyn, New York 11224
Tel: (212) 372 - 0349
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</table>

Atlantic Surplus Sales
3730 Nautilus Avenue • Brooklyn, New York 11224
Tel: (212) 372-0349
Western Union Telefax Transceiver with 5" drum and 115 Volt AC 60 cycle syn motor. Used to SEND and RECEIVE PICTURES and WORD MESSAGES. Size of recording paper is 6" x 4" electrolytic type. These are the standard Fax units currently being used by Radio Amateurs throughout the world, and are the units described in the ARRL Specialized Communications Book. Units are complete with receive — transmit circuit and power supply necessary for operation.

Application:

a. Receiving and transmitting messages when two units are wired back to back.
b. Receiving and transmitting information over phone lines when properly coupled.
c. Receiving and transmitting material via wireless using a transmitter and receiver.
d. Receiving Satellite pictures and Weather information.
e. Computer graphics.

Units are complete and checked for proper motor operation. All units removed from commercial service.

FAX TRANSCEIVER ........................................... Cat. #81A
FAX TRANSCEIVER ............................. Lots of 3 or more Cat. #81B
PAPER FOR FAX ................................. 250 sheets - Cat. #82A
SPECIALIZED COMMUNICATIONS TECHNIQUES BOOK .. #1SC
FAX TECHNICAL MANUAL ....................... #81C

All prices are F.O.B. Brooklyn, N.Y. We will ship C.O.D. for the UPS shipping charges.

Atlantic Surplus Sales
3730 Nautilus Avenue • Brooklyn, New York 11224
Tel: (212) 372 - 0349
FAX TRANSMITTER

Self contained, vertically standing type, uses an optical-photoelectric cell pick-up which is mounted on a movable scanning assembly. Message or picture up to 8" x 8", is wrapped around drum and held in place by two spring garters. The AC signals originate in the phototube of the transmitter. The carrier signal of 2500 cycles per second is generated by interrupting the light beams by means of a motor driven chopper wheel and its amplitude is varied in accordance with the intensity of light reflected from the message blank. The output which is modulated AC (audio) signal can then be amplified, recorded or transmitted depending upon use.

Required power 115 AC 60 cycle Size O/A 20" high x 7" wide x 7" deep. Units are complete and checked for motor operation. All units removed from commercial service.

FAX TRANSMITTER .......................................................... Cat. #87A
FAX TRANSMITTER MANUAL ............................................. Cat. #87B

FAX RECORDER

Page Type, multiple stylus, stand alone recorder, using a roll of 8-1/4" wide electrolytic paper. Three styli, equally spaced along the belt, scan laterally across the paper and their speed is such that the result is the same as a single stylus scanning the periphery of a cylinder. Units contain a 1/50 horsepower, 1800 rpm capacitor type synchronous motor which through a worm and gear (10 to 1) and a clutch drives a sprocketed drive pulley at 1800 rpm.

Required power: 115 V AC 60 cycle
Size: 12" wide x 12" long x 8" high
Units are complete and checked for motor operation. All units removed from commercial service.

FAX RECORDER .......................................................... Cat. #88A
FAX PAPER (ROLL) ......................................................... Cat. #88A
FAX RECEIVER MANUAL .................................................. Cat. #88B

FAX PREAMPLIFIER

These units were used with the FAX TRANSMITTERS to amplify the modulated AC (audio) signal, and provide an impedance match between the high impedance phototube output circuit and the low impedance connecting cable. The low level photocell signals are given a 35 decibel gain at 2500 cps. The preamplifier gain control permits accurate adjustment of the output.

Units sold complete with Schematic but not checked.
FAX PREAMPLIFIER .......................................................... Cat. #89A

REGULATOR INVERTER

This unit includes the functions of an auxiliary preamplifier, a signal level regulator, and a signal inverter. Also provides plate voltage supply for Preamplifier if used with transmitting equipment.

Units sold complete with Schematic but not checked.
FAX REGULATOR INVERTER .................................................. Cat. #89B

FAX AMPLIFIER

This unit amplifies the modulated audio-frequency signals to the level which permits them to be recorded on the FAX RECORDER (stand alone type). Units sold complete with Schematic but not checked.
FAX AMPLIFIER .......................................................... Cat. #89C
TELETYPE RECEIVER

The GRC-14 receiver is a continuously tuneable receiver covering 2 to 32 MHz with a Teletype converter for FSK reception built into the unit. This receiver was designed for RTTY reception and has a Meter for Teletype Tuning, Hold-Operate, and Normal-Reverse Line switches. Selective bandwidth of either broad (700 Hz) or sharp (350 Hz) provided. Receiver has a Crystal Calibrator, BFO Pitch Control, Antenna Trimmer and operates from either 115 VAC 60 cycle or 26.5 DC.

Frequency Range: 2 to 32 MHz, continuous
Tuning Bands: Band 1: 2 to 4 MHz  Band 2: 4 to 8 MHz
Band 3: 8 to 16 MHz  Band 4: 16 to 32 MHz
Type Receiver: Superheterodyne (double conversion on bands 3 and 4)
Shift Range: 100 to 1000 cycles.
Intermediate Frequency: 455 KHz and 1500 KHz
Type of Reception: A1 (CW), A2 (MCW), A3 (AM PHONE) F1 (FSK)
Crystals: 3
Squelch Circuit: Cuts off the audio amplifier in the absence of an RF input signal. (Turns on transmitter when using relay operation.)
Receiver input: 300 Ohms (HI-Z), 50 Ohms (LOW-Z)
Output: 600 Ohms
Power Requirements: 115 Volts, 60 cycle AC or 26.5 V DC
Size: 13” high, 10” wide, 17” Deep
Shipping Weight: 75 pounds

Receivers are sold complete - repairable .................................. Cat. No. R7 $179.00
Manual .................................................................................. Cat. No. R7M $ 25.00

URR-35 RECEIVER 225-400 MHz

A 225-400 MHz receiver for reception of AM (A-3) and MCW (A-2) transmissions. One tuning control provides continuously variable manual tuning to any frequency. Provision made for fixed frequency crystal use. Receiver is dual conversion type (superheterodyne) with 1st IF of 18.6 MHz and 2nd IF 1.775 MHz. Antenna input impedance 50 ohms, audio output 60 mw into 600 ohms. Receiver has built-in power supply and requires 105-125 Volts 50/60 Hz. Size is 8-1/2 x 17-1/2 x 19-1/8, weight 55 lbs.

Repairable ................................................................. Cat. # R4 $69.00
Checked ................................................................. Cat. # R5 $109.00
Technical Manual (reproduction) ............................... Cat. # R5M $15.00

Atlantic Surplus Sales
3730 Nautilus Avenue • Brooklyn, New York 11224
Tel. (212) 372 - 0349
2-32 MHz COMMUNICATIONS RECEIVER

AN/FRR-59A is a Triple Conversation, General Coverage Communications Receiver. It provides many modes of reception, with simultaneous modes of operation possible. The set is extremely stable, has excellent selectivity and gain and uses digital tuning. Tuning meters for 100 KC and .5 KC Tuning are provided along with audio output and resonance tuning meters. Selectivity switch allows .350, 1.0, 3.0 or 12 KCS Bandwidth, while additional controls for B.F.O., Noise Limiter, AGC, Antenna comp., R.F. gain, A.F. level control enables the set to copy under marginal conditions.

Frequency Range: 2 to 32 MHz continuous, or incremental in 0.5 KHz steps. Digital Tuning. Reads to 100 cycles
Tuning Bands: Band 1: 2-4 MHz Band 2: 4-8
Band 3: 8-16 MHz Band 4: 16-32
Type of Receiver: Superheterodyne (TRIPLE CONVERSION)
Frequency Stability: One Part in 10^7 per day (one cycle in 10 Mc)
Intermediate Frequency: (IF) 1635-1725 KHz
220 KHz and 80 KHz
Type of Reception: Receives LSB-Lower Sideband
Receives USB-Uppper Sideband
A1 (CW), A2 (MOW)
A3 (AM PHONE)
F1 (FSK)
F4 (FAX)
Receiver Input: 50 Ohms
Receiver Output: 15 MW into 600 ohms
Power Requirements: 105-125 VAC 50/60 Hz (250 Watts)
Size: 25" x 22" x 24" inches

Receivers are sold complete - repairable ........................................ Cat. No. R8 - $295.00
Receiver in checked condition ......................................................... Cat. No. R9 - $475.00
Manual (Complete) ...................................................................... Cat. No. R9M - $19.50

Atlantic Surplus Sales
Radio - Electronics - Telephone - Teletype - Fax - Equipment
A FAX RECORDER THAT WRITES ON PLAIN WHITE PAPER

The WEATHERFAX RJ-4 is a continuous type facsimile recorder which automatically records copy from messages sent by facsimile over a telephone line or received by a radio (with a Fax converter or without the converter with reduced quality). A permanent recording is made directly on plain white paper which requires no processing. The recorder uses a dry carbon transfer recording process which yields sharp black lines on the white paper. Copy is recorded on paper from a 19 1/8 inch wide roll and feeds out at the top of the recorder. The copy can be seen while it is being recorded.

The recorder is ideal for use when it is desired to receive a message in the same form as the original. Although the recorder was designed for Weather Map recording, it can receive messages in any other form with a maximum width of 18 1/2 inches and any length.

High-quality components are used in this recorder to assure maximum reliability. Servicing is simplified by making use of a hinged front section which swings forward to allow access to all the electronic sections. Two additional snap lock panels provide access to the remaining sections.

Atlantic Surplus Sales
3730 Nautilus Avenue • Brooklyn, New York 11224
Tel: (212) 372 - 0349
WEATHER-FAX RECORDER

MACHINE SPECIFICATIONS:

Recording:
120 lines/minute
(60 or 90 lines/minute optional)

Lines Per Inch: 96

Index of Cooperation:
576 (CCITT) 1820 (IEEE)

Speed Control:
Synchronous Motor controlled by precision fork oscillator

Input Signal Level:
—6 to —36 dbm

Input Impedance:
600 ohms

Type of Signal Modulation:
Amplitude modulation

Modulation Polarity:
Maximum density on maximum signal level

Signal Contrast:
12 to 20 db

Power Consumption:
160 watts

Level Control:
Automatic level control, adjusts during copy

Phasing:
Automatic on reception of transmitted pulses

Start and Stop:
Recording cycle starts automatically on reception of start tone and stops on stop tone

Recording Paper:
Carbon and white (separate rolls) or pressure sensitive recording paper

Size of Recording Roll:
19-1/8 in. wide by 350 ft. long.

Power Source:
115 volts 60 Hz

Physical Characteristics:
Height: 14-1/2 in.
Width: 30-1/2 in.
Depth: 18-1/4 in.

WEATHERFAX IS USED BY:
Meteorologists
Airlines
U.S. Government Bureau of Reclamation
U.S. Air Force
U.S. Armed Forces
TV and Radio Stations
Construction Companies
Oil Companies
Mining Firms
Universities
Amateur Radio Operators
Computer Buffs
Short Wave Listeners

All Weather-Fax Machines are used and are sold AS IS unless their condition is specified. We will attempt to ship only complete machines that appear operational, however there is no warranty expressed or implied.

Weather-Fax RJ-4 AS IS .......................................................... Cat. No. F1 $199.50
Technical Manual .......................................................... Cat. No. F2 $14.50
Weather-Fax RJ-4 - Tested machine in operating condition.
Will need Electrical and Mechanical adjustments. ..................................Cat. No. F3 $299.00
Weather-Fax RJ-4 Completely tested and adjusted machine.
(Phasing adjustment not done) Machine comes with test copy. ................. Cat. No. F4 $495.00
Roll Paper - Box of 4 Rolls (2 white and 2 carbon) ................................ Cat. No. F5 $44.75
Take Up Reel - In addition to the one supplied .................................. Cat. No. F6 $24.50

We can supply spare parts (new - used) for the RJ-4. Our Paper is fresh stock manufactured by a local mill.

There is a $10.00 packing fee on all Weather-Fax Machines. Machines are shipped via common carrier, freight charges collect. You pay shipping charges when your machine arrives. New York State residents please include Sales Tax. Prices subject to change.

Atlantic Surplus Sales

3730 Nautilus Avenue • Brooklyn, New York 11224
Tel: (212) 372 - 0349
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<thead>
<tr>
<th>Cat. #</th>
<th>Description</th>
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**Atlantic Surplus Sales**

Radio - Electronics - Telephone - Teletype - Fax - Equipment
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</tr>
<tr>
<td>54A</td>
<td>Test scope</td>
<td>59.00</td>
</tr>
<tr>
<td>61A</td>
<td>28 ASR</td>
<td>395.00</td>
</tr>
<tr>
<td>61B</td>
<td>28 ASR</td>
<td>295.00</td>
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**REVISED APRIL, 1981**

**IMPORTANT:** Please include $10.00 for packing on all orders for Page Printers.

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Atlantic Surplus Sales

Radio - Electronics - Telephone - Teletype - Fax - Equipment
<table>
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<th>How Many</th>
<th>Description and Catalog No.</th>
<th>Price Single or Quantity</th>
<th>Total Price</th>
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</tbody>
</table>

Residents add Sales Tax
Add $1.00 handling for Orders under $5.00

TO SERVE YOU BETTER PLEASE ADVISE HOW EQUIPMENT IS BEING USED.
(Please check)
Ham Radio Microcomputer Commercial

The better the equipment the better you’ll be equipped.

Atlantic Surplus Sales

Radio • Electronics • Telephone • Teletype • Equipment