

LAFAYETTE RADIO -- RADIO-CONTROL HEADQUARTERS

ONLY \$14.95

LAFAYETTE SPECIAL RADIO CONTROL TRANSMITTER

Newly designed, crystal controlled, single channel transmitter is completely assembled tested and guaranteed. Operates on exam-free 27.255 MC R/C band. Includes 27.255 MC crystal, tube and 6-section telescoping antenna. Range approximately 1 mile. Measures 8 1/2" x 2 3/4" x 1 3/4" exclusive of antenna. Less Batteries. Shpg. wt., 2 1/2 lbs.

F-249—R/C TRANSMITTER
(Less Batteries)..... **14.95**
BATTERIES
3-BA-124 Burgess U30..... 1.75 ea.
1-BA-157 Burgess 2..... .13

LAFAYETTE SPECIAL R/C RECEIVER

Completely factory wired and tested receiver, extremely sensitive and stable. Completely enclosed—ideal for use around water; case may be removed if desired. Features external fine tuning control, antenna lead, and plug for external power and actuator connections. Requires one 1.5V and one 67.5 battery whose size depends on size of model. Complete with 3S4, but less batteries. Size 3" x 2 3/4" x 1 1/2". Ideal companion to F-249 Transmitter. Shpg. wt., 8 oz.

F-208—R/C RECEIVER (less Batteries).....Net **8.95**

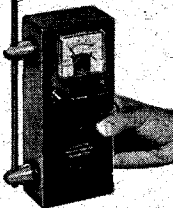
SPECIAL COMBINATION OFFER

Consists of R/C Transmitter (F-249), and R/C Receiver (F-208)
F-259—Combination, less battery.....Net 22.90

NEW! LAFAYETTE 27.255 MC CITIZEN BAND REMOTE CONTROL TRANSMITTER KIT KT-127

- WAY OVER 1 MILE LINE OF SIGHT TRANSMISSION!
- SUPER STABILITY FOR FOOLPROOF CONTROL OF MODEL PLANES, BOATS AND CARS.

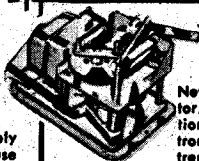
Once again Lafayette spurts into the lead with its new amazing RC CITIZENS BAND TRANSMITTER. Fits comfortably in the palm of your hand—yet is so stable that it is unaffected by hand capacitance or motion. Has new attractive wide-scale meter for visually tuning transmitter. Has wide, non-critical tuning. Uses one B & W prewound coil—no tedious winding of coils! Tuning for maximum output and antenna loading adjustment easily performed from exterior of cabinet. Complete with approved telescoping antenna, meter, cabinet, chassis, tube, crystal, alignment tool, all parts and easy step-by-step instructions. Size 10" x 4" x 2 1/2". Shpg. wt., 5 lbs.
KT-127, Less Batteries.....Net 15.95
1 BA-157 Burgess No. 2 Battery.....Net .13 ea.
2 Burgess BA-133 P45 (RCA VS218) Battery @ 2.17.....Net **4.34**



R/C ELECTRIC SERVO MECHANISM

- DESIGNED AND PRICED FOR HOBBYISTS

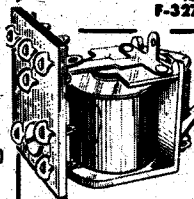
New, powerful, motor driven R/C actuator. Delivers positive, instantaneous action. Provides selective steering and electronic, automatic return to neutral. Extremely efficient when used with model boats and land vehicles. Only 2 1/2" x 2" x 1 3/4". Includes instructions and linkage.
F-327... Shpg. wt., 8 oz.....Net 4.95



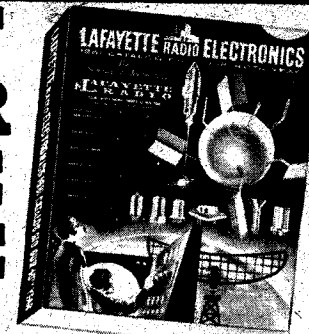
LITTLE "JEWEL" R/C RELAY

The Mighty Mite of the R/C field. Weighs less than 1/2 oz. Only 3/4" H x 1 7/32" W x 1-1/16" L. Highly sensitive—extremely rugged. Pulls at 1.4 Ma—drops out 1.2 Ma D.C. S.P.D.T. 5000 ohm coil.

F-260 Shpg. wt., 2 oz. Net 2.75



FREE



1961 CATALOG 324 GIANT-SIZED PAGES

The newest and largest assortment of Electronic, Radio and TV parts, Hi-Fi and Public Address Components and systems, Test Equipment, tubes, Transistor Kits and miniaturized components for transistor circuitry, Ham Equipment, Builders Kits, Tools, Books, Microscopes, Binoculars, Telescopes, Cameras, and Drafting Equipment—ALL AT LOWEST PRICES—Catering to the economy minded dealer, serviceman, engineer, technician, experimenter and hobbyist. CRAMMED FULL OF MONEY SAVING BUYS. SEND FOR YOUR FREE COPY TODAY.

CUT OUT AND PASTE ON POST CARD

LAFAYETTE RADIO, Dept. AMJ-8
P.O. Box 190, Jamaica 33, N. Y.
Send FREE LAFAYETTE Catalog 610
324 GIANT SIZED PAGES

Name.....
Address.....
City.....State.....

glue" (LePage's Bond Fast is a similar Canadian product). This white glue has yet to become as popular as it deserves. It has many uses in model building and has superior properties for many applications. It is very strong, forms good fillets and is without equal for laminating. In fact, one of the prototypes was put together with Bond-Fast exclusively. It did a very good job and it dried quickly enough so that construction was not unduly held up.

Control surface areas cannot be predicted for all control systems. The areas shown on the plan worked well, for one particular set of variables. They may be too large or too small for other control systems and linkages. For this reason it is advisable to do all flight testing and trim experiments with both rudder and elevators as unfinished cut-outs from 1/4" sheet. These can be hacked away or added to until the ideal areas are established. Only then is it worthwhile making up the final finished control surfaces.

Trim: The ship should balance in a horizontal position when supported on a knife edge located somewhere between the center of the wing platform and a point as much as 1" aft of that center. It is suggested that initial glide testing be done before the radio gear is installed. A good way to do this is to fill up small bags with lead shot to equal the weight of the several radio components: servos, receiver, batteries, etc. Then shift these bags around until glide testing establishes the exact location of the entire radio installation. Keep in mind that C.G. should not be too far from the optimum position and that stab and bottom wing are essentially fixed. As mentioned previously, the stab negative incidence may be increased as a last resort.
(Continued on page 50)

Pee Wee Hop-Up

(Continued from page 27)

or brass.
POWER POLISHING:

Disassemble your engine completely except for the reed-valve. This will void the guarantee. Don't worry, Mr. Cox has observed the results of this rework favorably. Mix a thick paste of rouge powder and light oil. Mount the piston on the mandrel. Up-end the hand drill in a bench vise. While turning the chucked piston at about two handle rev's per sec., use Arkansas slip stone to work a slight radius on the crown and skirt lips. This is done to prevent bore wall scuffing, port hooking, and to improve wall oiling by creating wipe feed. The radius is not to exceed .055"—or 1/2 cyl. fin thickness. When radius are complete wipe piston free of stone residue and then polish the lips highly with rouge paste on a balsa scrap. Apply paste to twin-lap of fig. 1 and polish the side of the piston as illustrated. With the lap held motionless and squeezed firmly enough to collapse soft balsa slightly, give the drill handle 1/2 sec. turns for 45 to 60 sec. As the lap darkens polishing becomes finer, so make this a one-shot operation. The finished surface should show the grind pattern under a hazy polish.

Leaving the piston chucked, wash and dry the cylinder. White gas or cleaning solvent are good washes. Cut, don't sand, a slight bevel on the edges of 3/4" sq. strip of soft balsa. Insert through bore and apply paste. Rest the lower fins of the cylinder on a piece of rubber light cord laid on a table. Working this setup like a rolling pin for ten 6 inch strokes will prepare the bore for lapping. Wash the cyl. well and wipe the bore clean with lintless
(Continued on page 50)

LIKE MAN... THE MOST FROM R/C-VILLE

Citizen-Ship Makes A Further Breakthrough In Micro-Miniaturization For The Multi-Channel Flyer...



MODEL KV-8 SUPERHET 8-CHANNEL RECEIVER



Enjoy the advantages of 8-channel superhet flying for only **\$129.95**

WEIGHTS 8 OUNCES

MEASURES 2 3/8 x 2 1/4 x 2 3/8

- Obsolete non-selective super regenerative circuits.
- Fits all modern R/C multi-channel plane kits.
- All transistorized --- no delicate tubes to fail.

AVAILABLE OCTOBER 1ST

Send For Free Catalogue Sheets

Citizen-Ship RADIO CORP.
810 E. 64th ST. INDIANAPOLIS, IND.