

# Model Rocket News

BOX 227 — PENROSE, COLORADO — PHONE: SUNSET 4-6348

VOLUME I No. 2

THE MODEL ROCKET NEWS IS PUBLISHED APPROXIMATELY 4 TIMES ANNUALLY BY ESTES INDUSTRIES INC, BOX 227, PENROSE, COLORADO. IT IS DISTRIBUTED FREE OF CHARGE TO ALL OF OUR MAIL ORDER CUSTOMERS FROM WHOM WE HAVE RECEIVED ORDERS WITHIN A PERIOD OF ONE YEAR. THE MODEL ROCKET NEWS IS DISTRIBUTED FOR THE PURPOSE OF ADVERTISING AND PROMOTING A SAFE FORM OF YOUTH ROCK-ETRY, AND FOR INFORMING YOU OF NEW PRODUCTS AND SERVICES AVAILABLE FROM OUR FIRM. YOU ROCKETEERS CAN CONTRIBUTE IN THREE WAYS TO HELP US IN ADVANCING THIS SCIENTIFIC HOBBY.

(1). WRITE US CONCERNING THINGS YOU AND YOUR CLUB ARE DOING IN THIS FIELD WHICH YOU THINK WOULD BE OF INTEREST TO OTHERS. (2). KEEP SUPPORTING US IN OUR DEVELOPMENT PROGRAM BY PURCHASING YOUR ROCKET SUPPLIES FROM US. WE ARE WORKING AS FAST AS WE CAN. EVERY SPARE DIME WE GET GOES BACK INTO RESEARCH AND DEVELOPMENT BUT IT TAKES A HECK OF A LOT OF DIMES TO DEVELOP A NEW KIT OR A NEW ROCKET ENGINE. (3). WRITE US ABOUT OUR PRODUCTS, WHAT YOU LIKE, WHAT YOU DON'T LIKE, NEW IDEAS, SUGGESTIONS, ETC. WE MAY NOT HAVE TIME TO ANSWER ALL OF YOU PERSONALLY BUT BELIEVE ME WE WILL READ EVERY WORD.

## CRICKENAUT LAUNCHED

A YOUNG SCIENTIST, 14 YEAR OLD BILL WALDRON (NAR #1014) OF 2343 RALEIGH ST., DENVER, COLORADO WILL GO DOWN IN HISTORY AS THE PIONEER OF STUDYING THE EFFECT OF ACCELERATION AND ROCKET FLIGHTS ON THE CRICKENAUT.

RECENTLY, BILL, A MEMBER OF THE MILE HIGH SECTION, BROUGHT TWO CRICKETS OUT TO HOG BACK ROCKET RANGE, ONE BY THE NAME OF LEIKA AND THE OTHER CALLED NO-LEIKA. THESE TWO UNTAMED WILD BLACK BEASTS HAD BEEN CAREFULLY PREPARED AND TRAINED FOR THEIR PLACE IN HISTORY BY BEING REMOVED FROM THEIR NATURAL HABITAT AND CAREFULLY CONCEALED IN A VENTILATED COFFEE CAN FOR FOUR HOURS.

UPON ARRIVING AT THE RANGE, BILL AND HIS MEDICAL AND LAUNCHING CREW METHODICALLY WENT TO WORK IN A MANNER WHICH WOULD MAKE THE BOYS DOWN AT THE CAPE LOOK LIKE AMATEURS.

THEIR SPECIALLY CONSTRUCTED ROCKET WAS BROUGHT OUT AND CAREFULLY POSITIONED ON THE LAUNCHING PAD. THE COUNT-DOWN WAS STARTED AT X MINUS 15 MINUTES. AT APPROXIMATELY X MINUS 12 MINUTES, FINAL CONNECTIONS TO THE ROCKET FIRING PANEL HAD BEEN COMPLETED AND IT WAS ANNOUNCED THAT THE SPACE VEHICLE WAS READY FOR LAUNCHING. ALL THAT REMAINED WAS THE FINAL CHECK-OUT OF THE TWO CRICKENAUTS.

THE MEDICAL CREW WENT TO WORK. WHILE NO HEART BEAT OR RESPIRATION WAS DETECTED, THE CRICKETS WERE ASSURED TO BE ALIVE AND HEALTHY BECAUSE THEY WERE MOVING ABOUT AND CHIRPING. THE FINAL DECISION OF THE MEDICAL MEN WAS THAT THE TWO CRICKETS WERE IN PERFECT HEALTH AND READY TO ENTER THE CAPSULE IN THE NOSE OF THE ROCKET.

AT APPROXIMATELY X MINUS 3 MINUTES THE CRICKETS WERE CAREFULLY BROUGHT OUT TO THE LAUNCHING PAD AND SHOVED INTO THEIR SCIENTIFICALLY DESIGNED COMPARTMENTS.

NO-LEIKA WAS POSITIONED IN THE UPPER COMPARTMENT, WHICH

WAS NOT PADDED. LEIKA WAS PLACED IN A MORE COMFORTABLE PADDED COMPARTMENT COMPLETE WITH WINDOWS FOR HIS VIEWING OF THE EARTH BELOW.

COMPLETE DETAILS OF THE ROCKET SHIP USED IN THIS EXPERIMENT, ITS WEIGHT, SIZE, PAYLOAD COMPARTMENT, ETC., ARE STILL CLASSIFIED. HOWEVER, WE WERE ABLE TO LEARN THAT A 16# ENGINE WAS BEING USED. CONSIDERING THE PROBABLE WEIGHT OF THE ROCKET, THIS WOULD SUBJECT THE TWO CRICKENAUTS TO AROUND 50 TO 100 G'S ACCELERATION. WOULD THEY SURVIVE THIS TREMENDOUS FORCE?

TIME IS RUNNING, X MINUS 60 SECONDS CAME OVER THE COMMUNICATIONS NETWORK. "TRACKING EAST IS READY"--- "TRACKING WEST IS READY." FINAL SAFETY CLEARANCE IS GIVEN FOR THE LAUNCHING. TIME IS X MINUS 5 SECONDS, 4---3---2---1---ZERO.

A LOUD CHEER IS HEARD FROM THE MEMBERS OF THE CREW AND SPECTATORS AS THE ROCKET ZOOMS SKYWARD UNDER THE TREMENDOUS ACCELERATION.

AS THE ROCKET REACHED THE APEX OF ITS FLIGHT, THE PARACHUTE WAS AUTOMATICALLY DEPLOYED. (DUE IN PART TO LACK OF TRAINING AND IN PART TO THE DOUBTFUL APTITUDE AND ABILITY OF THE CRICKENAUTS, IT WAS DECIDED TO LEAVE NO IMPORTANT PHASE OF THE OPERATION TO THEIR MANUAL CONTROL.) THEN BEGAN THE LONG AND TEDIOUS JOB OF TRACKING THE ROCKET ON ITS DESCENT TO EARTH. (APPROXIMATELY 30 SECONDS.) DID THE CRICKETS SURVIVE? WOULD THE PADDING HELP LEIKA? WOULD NO-LEIKA SURVIVE WITHOUT PADDING? IT HAD BEEN AGREED IN ADVANCE THAT ONLY THE MEDICAL TEAM WOULD BE PERMITTED TO EXAMINE AND INTERVIEW THE SPACE HEROES.



THE CAPSULE WAS DOWN AND THE MEDICAL TEAM RUSHED TO RETRIEVE IT. NO-LEIKA WAS UNCONSCIOUS. OXYGEN WAS NEEDED. EVERYTHING HAD BEEN CONSIDERED BEFORE LAUNCHING. NO DETAIL HAD BEEN OVERLOOKED. OXYGEN WAS SUPPLIED IN NO TIME BY FANNING THE CRICKET WITH A PIECE OF CARDBOARD. BUT STILL NO-LEIKA LAY ON HIS (MAYBE HER) BACK UNCONSCIOUS. MAYBE HE WAS DEAD. AS BEFORE THE LAUNCH, NO HEART BEAT OR RESPIRATION COULD BE DETECTED BY THE MEDICAL CREW. THE QUICK THINKING MEDICAL MEN CALLED FOR COLD WATER TO HELP REVIVE NO-LEIKA. HAVING NO WATER READILY AVAILABLE, A QUICK DECISION WAS REACHED TO DOUSE NO-LEIKA WITH PEPSI-COLA. IT WORKED!! A CHEER AROSE FROM THE SPECTATORS AS NO-LEIKA SPRANG TO LIFE. WHAT COULD HAVE BEEN A COMPLETE FAILURE WAS NOW PROCLAIMED A SUCCESS.

LEIKA WAS FOUND ALIVE, CHIRPING, AND IN THE BEST OF HEALTH. APPARENTLY, SHE (OR HE) HAD SUFFERED NO BAD EFFECTS OF ANY SORT. PERHAPS IT WAS BECAUSE OF THE PADDING. MAYBE THE WINDOWS HELPED. MAYBE LEIKA WAS SIMPLY A BETTER CRICKENAUT.

#### FINAL SUMMATION

IN SUMMARIZING THE RESULTS OF THE ABOVE TEST, WE BELIEVE IT WOULD BE SAFE TO SAY THAT NO-LEIKA NO LIKED HER ROCKET TRIP AND LEIKA LIKED HER ROCKET TRIP. BUT IF LEIKA HAD BEEN NO-LEIKA AND IF NO-LEIKA HAD BEEN LEIKA THEN LEIKA WOULD HAVE NO LIKED AND NO-LEIKA WOULD HAVE-----  
---OH WELL,-----FORGET IT.

THE ABOVE EXPERIMENT IS TRUE. ONLY THE NAMES OF THE CRICKENAUTS HAVE BEEN CHANGED TO PROTECT THE INNOCENT. ALSO, A FEW MINUTE DETAILS MAY HAVE BEEN ALTERED OR INVENTED TO SUIT THE FANCY OF THE AUTHOR.

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## ADDRESS CHANGE AFTER AUGUST FIRST

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AFTER AUGUST 1, 1961, ALL MAIL ORDERS AND CORRESPONDENCE SHOULD BE DIRECTED TO OUR NEW ADDRESS, ESTES INDUSTRIES, PENROSE, COLORADO.

THE MOVE FROM OUR PRESENT LOCATION IS NECESSARY BECAUSE OF OVERCROWDED FACILITIES AND LACK OF ROOM FOR EXPANSION. OUR NEW 41 ACRE SITE WILL ALSO ENABLE US TO SET UP MORE ADEQUATE TESTING AND LAUNCHING FACILITIES.

WE PLAN TO HELP ORGANIZE AN NAR SECTION IN THIS AREA. BOYS WILL BE INVITED TO PARTICIPATE FROM NEARBY TOWNS, INCLUDING FLORENCE, AND CANYON CITY, COLORADO. MAIL SENT TO OUR OLD ADDRESS WILL BE FORWARDED BY THE POST OFFICE DEPARTMENT. HOWEVER, QUICKER SERVICE WILL BE ASSURED BY USING THE NEW ADDRESS AFTER AUGUST 1, 1961.

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## AIR MAIL SERVICE

IF YOU ARE IN A HURRY FOR YOUR ROCKET SUPPLIES, YOU MAY INCLUDE EXTRA POSTAGE FOR AIR MAIL RETURN. INCLUDE 7¢ FOR EACH OUNCE OR FRACTION THEREOF. IF YOU INCLUDE TOO MUCH POSTAGE, WE WILL REFUND THE EXCESS WITH YOUR ORDER. ALL ORDERS ARE SHIPPED ON THE SAME DAY THEY ARE RECEIVED.

## WIND TUNNEL BUILT BY MILE HIGH SECTION

JOHN BONINE, PRESIDENT OF THE MILE HIGH SECTION, HAS ANNOUNCED THE ADDITION OF A WIND TUNNEL TO THEIR RANGE EQUIPMENT. BONINE SAID THAT AT A RECENT SHOP NIGHT THE BOYS OF THE MILE HIGH SECTION (NAR GROUP) BUILT A HAND (BOY) POWERED LOW VELOCITY WIND TUNNEL FOR TESTING ROCKET STABILITY, THE FIRST LIKE IT IN THE COUNTRY. IT IS SURE TO BE THE FORERUNNER OF OTHER SIMILAR TUNNELS. THE TUNNEL WAS CONSTRUCTED OF A LARGE SQUIRREL CAGE BLOWER (12" X 19" EXHAUST OPEN) ADAPTED FOR HAND TURNING, AND A FEW PIECES OF LUMBER. THE CROSS SECTION DIMENSIONS OF THE TEST SECTION ARE APPROXIMATELY 7" X 22". THIS IS LARGE ENOUGH TO ACCOMMODATE MOST MODEL ROCKETS.

THE MAXIMUM WIND VELOCITY IS APPROXIMATELY 15 FT/SEC. THIS IS PLENTY FAST FOR CHECKING STABILITY. THE BOYS DO NOT PLAN TO EQUIP THIS TUNNEL FOR DRAG MEASUREMENTS.

THE TUNNEL IS SMALL ENOUGH TO BE TRANSPORTED IN THE BACK OF A STATION WAGON. WITH THE AID OF THEIR NEW TUNNEL, A POSITIVE SAFETY CHECK CAN BE MADE ON EACH ROCKET PRIOR TO FLIGHT TO DETERMINE ITS STABILITY CHARACTERISTICS. THEY WILL BE ABLE TO ELIMINATE BEYOND ANY SHADOW OF A DOUBT THE POSSIBILITY OF LAUNCHING A POTENTIALLY DANGEROUS UNSTABLE ROCKET.

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## DATE SET FOR NATIONALS

THE NATIONAL ASSOCIATION OF ROCKETRY HAS ANNOUNCED THAT THE NATIONALS WILL BE HELD AT THE HOG BACK ROCKET RANGE AT DENVER, COLO. THIS YEAR. THE CONTEST WILL BE HELD ON THE 17, 18, 19 AND 20 OF AUGUST. ROCKETEERS WISHING TO PARTICIPATE MUST BE NAR MEMBERS. IF YOU HAVEN'T STARTED BUILDING YOUR ROCKETS YET, YOU HAD BETTER BE GIVING IT SOME THOUGHT. THE FELLOWS WHO PUT THE MOST EFFORT INTO THIS ARE GOING TO BE THE ONES WHO WALK AWAY WITH THE BIG TROPHIES. WRITE TO NAR HEADQUARTERS NOW FOR APPLICATION BLANKS:

NATIONAL ASSOCIATION OF ROCKETRY  
SUITE 1962  
11 WEST 42ND STREET  
NEW YORK 36, NEW YORK

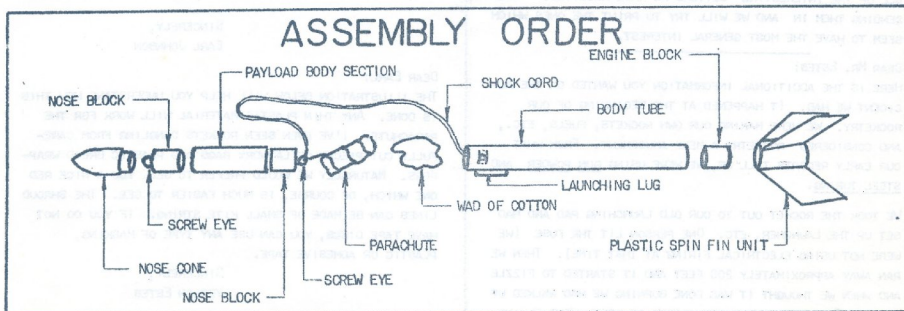
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## Payload Section Kit



THIS NEW PAYLOAD SECTION KIT, AS WELL AS SEVERAL OTHER NEW ITEMS, IS NOW AVAILABLE THROUGH OUR CATALOG #261. IF YOU HAVE NOT RECEIVED THE NEW 4 PAGE SUPPLEMENT, OR IF IT WAS NOT INCLUDED IN YOUR CATALOG, WRITE US. WE WILL SEND YOU ONE FREE OF CHARGE.

# Payload Rocket



### PARTS LIST

- 1-PAYLOAD SECTION KIT #PS-1
- 1-LAUNCHING LUG #LL-1B
- 1-SHOCK CORD #SC-1
- 1-PARACHUTE MATERIAL #PM-1

- 1-BODY TUBE #BT-1 **BT-40**  
(CUT TO LENGTH)
- 1-ENGINE BLOCK #EB-1 **EB-40**
- 1-FIN SET #PF-1 **PF-400**

### BUG-A-BYE (PAYLOAD ROCKET)

EVERY COMMERCIAL OR MILITARY ROCKET IS DESIGNED FOR A PURPOSE- ----TO CARRY A PAYLOAD. THE PAYLOAD MAY BE A CAMERA, HYDROGEN BOMB, MAIL SACK, RADIO TRANSMITTER, ANIMAL OR MAN. REGARDLESS OF THE PAYLOAD REQUIREMENTS HOWEVER A ROCKET CAN BE DESIGNED TO CARRY IT.

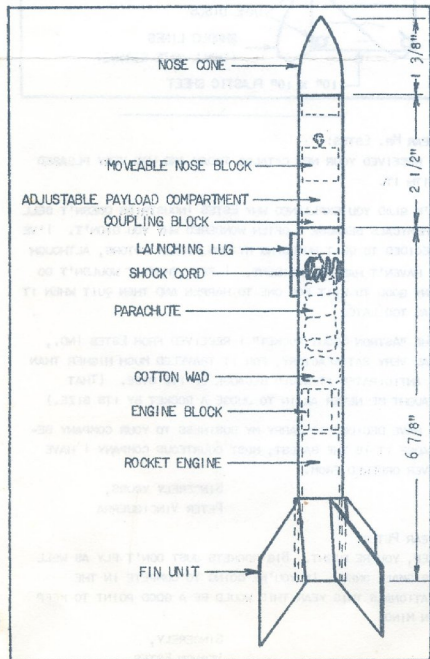
THE BUG-A-BYE ROCKET HAS BEEN DESIGNED FOR ITS SPECIAL PURPOSE. THIS MAY INCLUDE LAUNCHING MINIATURE TRANSMITTERS AND CAMERAS, MAKING ACCELERATION MEASUREMENTS AND CALCULATIONS, AND OF COURSE THE LAUNCHING AND RECOVERING OF SMALL ANIMALS, INSECTS AND BUGS.

WHEN THE BUG-A-BYE ROCKET IS LAUNCHED WITH A SERIES TWO ENGINE THE ACCELERATION CAN EXCEED 100 G'S. THINK WHAT THIS WILL DO TO A BUG OR GRASSHOPPER!!!!!! IF THE AVERAGE MAN WERE TO BE SUBJECTED TO G FORCES OF THIS NATURE HE WOULD WEIGH ABOUT 17,000 POUNDS. OUCH!!!!!!! WHAT EFFECT WILL THIS HAVE ON SMALL ANIMALS OR INSECTS?? YOU CAN DO YOUR OWN EXPERIMENTING AND FIND OUT.

THE BUG-A-BYE ROCKET IS EASY TO BUILD. THE COMPLETE ROCKET CAN BE BUILT FROM STANDARD PARTS LISTED IN OUR CURRENT CATALOG. FOR CONSTRUCTING THE ROCKET IT HAS BEEN FOUND THAT ELMERS GLUE IS VERY GOOD FOR SECURING THE ENGINE BLOCK AND THE LOWER NOSE BLOCK IN PLACE. APPLY THE GLUE TO BOTH SURFACES BEFORE PLACING IN POSITION.

THE FIN UNIT SHOULD BE ATTACHED AS SHOWN IN OUR CATALOG. IF YOU ARE USING A SERIES 2 ENGINE BE SURE THE FINS ARE SECURED VERY TIGHTLY. UPON ACCELERATION OF 100 G'S THEY WILL HAVE 100 TIMES THEIR NORMAL WEIGHT. IF THEY SHOULD COME OFF YOUR ROCKET COULD BE DANGEROUS.

THE NOSE BLOCK WHICH IS USED TO MAKE THE PAYLOAD COMPARTMENT ADJUSTABLE SHOULD BE A TIGHT FIT. IF IT IS TOO LOOSE THE DIAMETER MAY BE INCREASED BY WRAPPING THE BLOCK WITH SCOTCH TAPE. THE NOSE CONE ALSO SHOULD BE A TIGHT FIT AND CAN BE FITTED IN THE SAME MANNER. THE MAXIMUM PAYLOAD WEIGHT FOR THIS ROCKET IS ONE OUNCE.



# LETTER SECTION

THE FOLLOWING ARE LETTERS AND EXCERPTS FROM LETTERS RECEIVED FROM YOU ROCKETEERS. SORRY WE COULD NOT PRINT ALL OF THE INTERESTING LETTERS WE HAVE RECEIVED. KEEP SENDING THEM IN AND WE WILL TRY TO PRINT THE ONES WHICH SEEM TO HAVE THE MOST GENERAL INTEREST.

DEAR MR. ESTES:

HERE IS THE ADDITIONAL INFORMATION YOU WANTED ON THE ACCIDENT WE HAD. IT HAPPENED AT THE BEGINNING OF OUR ROCKETRY. WE WERE MAKING OUR OWN ROCKETS, FUELS, ETC., AND CONSIDERED ROCKETRY A MERE AMUSEMENT. FROM WHAT OUR EARLY REPORTS TELL US, WE WERE USING GUN POWDER AND STEEL TUBING.

WE TOOK THE ROCKET OUT TO OUR OLD LAUNCHING PAD AND HAD SET UP THE LAUNCHER, ETC. ONE PERSON LIT THE FUSE (WE WERE NOT USING ELECTRICAL FIRING AT THAT TIME). THEN WE RAN AWAY APPROXIMATELY 200 FEET AND IT STARTED TO FIZZLE AND WHEN WE THOUGHT IT WAS DONE BURNING WE HAD WALKED UP TO IT. THEN IT BLEW UP AND PIECES OF STEEL WENT FLYING EVERY WHICH WAY. ONE BOY GOT HIT IN THE LEG AND I, MYSELF, GOT HIT IN THE FOREHEAD. THE OTHERS WERE NOT HURT AND I WAS NOT SERIOUSLY HURT, BUT THE OTHER BOY HAD A BADLY CUT LEG. WE CALLED THE DOCTOR AND HAD HIM COME OUT RIGHT AWAY. AFTER THAT WE DECIDED TO GIVE UP ROCKETRY. A FEW WEEKS LATER WE HEARD ABOUT THE N.A.R. AND DECIDED TO JOIN. WE HAVE NOT REGRETTED IT YET.

SINCERELY,  
VAN SMITH

DEAR VAN:

YOU GUYS ARE LUCKY TO BE ALIVE. POWDER, CHEMICALS AND METAL PIPE ARE VERY DANGEROUS FOR AN EXPERT TO HANDLE AND EXTREMELY DANGEROUS FOR AN AMATEUR TO HANDLE. I'M GLAD YOU HAVE JOINED THE N.A.R. STICK WITH IT AND YOU CAN EXPECT TO LIVE TO A RIPE OLD AGE.

SINCERELY,  
VERNON ESTES

DEAR SIR:

IN ANSWER TO YOUR QUESTIONNAIRE ABOUT THE B-16-5 AND B-16-0 ROCKET ENGINES, I REPLY THAT THE SERIES 2 ENGINES I'VE USED ARE VERY POWERFUL AND HAVE AN AMAZING PERFORMANCE. RECENTLY, I MATED THE B-8-0 WITH A B-16-5 ROCKET ENGINE. THOUGH I DID NOT CALCULATE ITS ALTITUDE BY INSTRUMENTATION, I DID NOTICE THAT IT REACHED AMAZING HEIGHTS. I AM VERY PLEASED WITH ALL OF YOUR ROCKET ENGINES.

SINCERELY,  
SCOTT CROUCH

DEAR SCOTT:

I IMAGINE YOU GOT A PRETTY GOOD FLIGHT ALRIGHT. THE FLIGHT WOULD HAVE BEEN EVEN BETTER IF YOU HAD USED A B-16-0 FOR THE BOOSTER AND TOPPED THIS OFF WITH A B-8-0 ON THE TOP STAGE. BETTER FLY IT IN SOME OLD ROCKET YOU DON'T WANT BACK, THOUGH (BE SURE IT PASSES SAFETY INSPECTION) OR YOU MAY HAVE TO WALK A LONG WAY AFTER IT.

SINCERELY,  
VERNON ESTES

DEAR MR. ESTES:

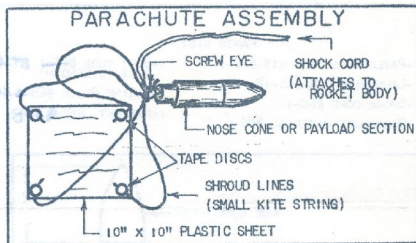
HOW CAN I MAKE A PARACHUTE FOR MY ROCKET? NONE OF THE LITERATURE I HAVE SHOWN ME HOW. COULD YOU PLEASE HURRY UP AND TELL ME BECAUSE WE WANT TO SHOOT SOME ROCKETS SOON.

SINCERELY,  
EARL JOHNSON

DEAR EARL:

THE ILLUSTRATION BELOW WILL HELP YOU UNDERSTAND HOW THIS IS DONE. ANY THIN PLASTIC MATERIAL WILL WORK FOR THE PARACHUTE. I'VE EVEN SEEN ROCKETS DANGLING FROM CAREFULLY CUT PIECES OF LAUNDRY BAGS AND PLASTIC BREAD WRAPPERS. NATURALLY WE WOULD PREFER TO SELL YOU A NICE RED ONE WHICH, OF COURSE, IS MUCH EASIER TO SEE. THE SHROUD LINES CAN BE MADE OF SMALL KITE STRING. IF YOU DO NOT HAVE TAPE DISCS, YOU CAN USE ANY TYPE OF MASKING, PLASTIC OR ADHESIVE TAPE.

SINCERELY,  
VERNON ESTES



DEAR MR. ESTES:

I RECEIVED YOUR NEW CATALOG TODAY AND WAS VERY PLEASED WITH IT.

I'M GLAD YOU EXPLAINED WHY ESTES INDUSTRIES DOESN'T SELL CHEMICALS BECAUSE I OFTEN WONDERED WHY YOU DIDN'T. I'VE DECIDED TO QUIT BUILDING MY OWN ROCKET MOTORS, ALTHOUGH I HAVEN'T HAD AN ACCIDENT. I FEEL THAT IT WOULDN'T DO ANY GOOD TO WAIT FOR ONE TO HAPPEN AND THEN QUIT WHEN IT WAS TOO LATE.

THE "ASTRON SCOUT ROCKET" I RECEIVED FROM ESTES IND., WAS VERY SATISFACTORY, FOR IT TRAVELED MUCH HIGHER THAN I ANTICIPATED IT WOULD BECAUSE OF ITS SIZE. (THAT TAUGHT ME NEVER AGAIN TO JUDGE A ROCKET BY ITS SIZE.)

I HAVE DECIDED TO CARRY MY BUSINESS TO YOUR COMPANY BECAUSE IT IS THE SAFEST, MOST COURTEOUS COMPANY I HAVE EVER ORDERED FROM.

SINCERELY YOURS,  
PETER VINCIQUERRA

DEAR PETER:

YEP, YOU'RE RIGHT. BIG ROCKETS JUST DON'T FLY AS WELL AS SMALL ONES. IF YOU'RE GOING TO COMPETE IN THE NATIONALS THIS YEAR THIS WOULD BE A GOOD POINT TO KEEP IN MIND.

SINCERELY,  
VERNON ESTES

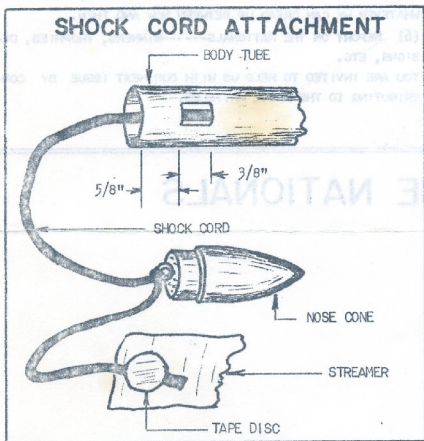
GENTLEMEN:

AT A FIRING TODAY, I LOST A PARACHUTE, NOSE CONE, AND CONTEST RUBBER BECAUSE MY METHOD OF FASTENING THE WHOLE THING TO THE ROCKET WAS UNSATISFACTORY. IT WOULD BE NICE IF YOU'D BRING OUT SOMETHING WITH WHICH TO FASTEN PARACHUTES AND THINGS TO THE BODY TUBE---SOMETHING THAT WOULD SLIP IN AND COULD BE ANCHORED WITH TWO FINISHING NAILS AND WOULD ALLOW THE EJECTION CHARGE TO PASS THROUGH. HOW ABOUT IT?

VERY TRULY YOURS,  
DAVID C. ROBERTS  
NAR #930

DEAR DAVID:

ONE OF THE METHODS USED TO SECURE THE SHOCK CORD TO THE BODY TUBE IS SHOWN BELOW. USING A RAZOR BLADE OR BALSA SAW, MAKE TWO SHORT CUTS THROUGH ONE SIDE OF THE BODY TUBE. CAVE IN THIS SMALL SECTION SO THE SHOCK CORD CAN BE INSERTED. LOOP THE CORD AROUND THE CAVED IN SECTION AND KNOT SECURELY. NEXT, PUSH OUT THE CAVED IN PORTION.



REPAIR THE BODY TUBE BY COVERING THE AREA WITH MODEL AIRPLANE CEMENT AND REINFORCE WITH SILK SPAN, GAUZE REINFORCING, OR A PIECE OF PAPER. ALSO, SHOWN IN THE DRAWING IS AN EASY WAY OF ATTACHING THE STREAMER SECURELY BY PLACING A TAPE DISC OR PIECE OF TAPE OVER AN EXTENDED LENGTH OF SHOCK CORD.

SINCERELY,  
VERNON ESTES

DEAR SIR:

YOU WROTE IN YOUR LETTER THAT YOU WANTED TO KNOW HOW THE ACCIDENT HAPPENED THAT I TOLD YOU ABOUT. THE BOY WAS MY FRIEND WHO LIKED TO DO STUFF LIKE MAKE BOMBS AND SO ON. I TOLD HIM TO WISE UP AND MAKE SOME STUFF SENSIBLE LIKE ROCKETS THAT YOU CAN BUY ALREADY MADE. AT FIRST HE DID AND WE HAD SOME FUN FLYING THEM. THEN AFTER ABOUT A MONTH, HE WENT BACK TO THE GO-GO-GO- ATTITUDE. HE SAYS HE COULD MAKE MUCH MORE POWERFUL STUFF THAN YOU CAN BUY. SO HE BOUGHT A BUNCH OF CHEMICALS LIKE ZINC DUST, SULPHUR, CHARCOAL AND POTASSIUM PERCHLORATE. THE DAY HE WAS MIXING IT TO MAKE A POWERFUL FUEL WAS THE DAY HE LOST THE TOP OF HIS FINGER. ON THE BOTTLE OF POTASSIUM PERCHLORATE IT SAID THE LEAST SHOCK WOULD SET IT OFF. BUT I GUESS WISE OLD HIM DIDN'T READ IT. AFTER MIXING IT ALL TOGETHER HE PUT IT IN A METAL TUBE. HE WENT TO PUT ONE OF HIS BRAINY HOMEMADE FUSES IN AND IT WAS JUST A LITTLE TOO TIGHT SO HIM, LIKE A NUT, HAMMERED IT IN AND B-A-N-G, WHAT AN EXPLOSION. THERE WENT THE END OF HIS FINGER. HE TRIED TO TELL ME THAT THE LITTLE SHOCK OF HIS HAMMER WAS NOT ENOUGH TO SET IT OFF. BUT BOY, WHAT A BANG THAT WAS. I HOPE TO TELL YOU THAT HE WILL NEVER DO THAT AGAIN. ALSO, IN THE LETTER IT SAID YOU WERE GOING TO WRITE A REPORT ON ALL THE ACCIDENTS. WOULD YOU PLEASE SEND ME A COPY. THANK YOU.

SINCERELY,  
KENNY DOUGLASS

DEAR KENNY:

WELL, I GUESS HE LEARNED!!!! DIDN'T HE?

SINCERELY,  
VERNON ESTES

CUT ALONG LINE

## CATALOG REQUEST

DO YOU HAVE A FRIEND OR BUDDY WHO IS INTERESTED IN MODEL ROCKETRY? IF SO, FILL OUT THIS SPECIAL CATALOG REQUEST FORM. WE WILL SEND HIM (HER) A CATALOG FREE OF CHARGE. ADDITIONAL REQUESTS FOR CATALOGS MAY BE LISTED ON THE REVERSE SIDE OF THIS FORM.

### YOUR NAME

NAME

ADDRESS

CITY, ZONE AND STATE

### SEND CATALOG TO:

NAME

ADDRESS

CITY, ZONE AND STATE

# DON'T FORGET

OUR NEW ADDRESS IS

ESTES INDUSTRIES INC.  
BOX 227  
PENROSE, COLORADO

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## NEXT ISSUE

THE NEXT ISSUE OF THE MODEL ROCKET NEWS WILL PROBABLY INCLUDE, AMONG OTHER THINGS, SOME OF THE FOLLOWING ARTICLES.

- (1) SURVEY REPORT----A COMPLETE REPORT ON THE QUESTIONNAIRE WE SENT OUT EARLY IN 1961. IT WILL COVER MANY STATISTICS INCLUDING A COMPLETE ACCIDENT REPORT.
- (2) TWO STAGE ROCKETS-----DESIGN FEATURES, PLANS, ETC.
- (3) LETTER SECTION----LETTERS, QUESTIONS AND ANSWERS.
- (4) ARTICLE ON AMATEUR ROCKETRY VERSUS MODEL ROCKETRY

EXPLAINING THE VAST DIFFERENCE BETWEEN THESE TWO FORMS OF YOUTH AND ADULT ROCKETRY.

(5) AMUSEMENT SECTION---MAYBE A JOKE OR TWO, CARTOONS OR WHATEVER WE CAN DREAM UP BETWEEN NOW AND THEN.

(6) REPORT ON THE NATIONALS-----WINNERS, TROPHIES, DESIGNS, ETC.

YOU ARE INVITED TO HELP US WITH OUR NEXT ISSUE BY CONTRIBUTING TO THE ABOVE ARTICLES.

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## SEE YOU AT THE NATIONALS

**Estes Industries, Inc.**

BOX 227  
PENROSE, COLORADO