

Published now and then as a free service to all Centuri regular mail order customers. Address correspondence to:

Editor, Rocket Times
Centuri Engineering Co.
P.O. Box 1988
Phoenix, Arizona 85001

Rocket Times

Today's Thought

Do a good deed... Take a Rocket-Eating Tree out to lunch!

"Model Rocketry at its Best!"

CENTURI Engineering Co.

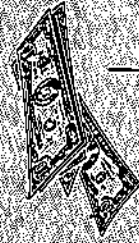


Phoenix, Arizona

No. 3, July, 1974

R & D ROCKET DESIGN CONTEST!

HERE'S YOUR CHANCE TO "SHOW YOUR STUFF" AND MAYBE WIN ONE OF MORE THAN 40 FABULOUS PRIZES!



1st PRIZE

ROCKET ALLOWANCE FOR A YEAR!

\$10 MERCHANDISE CERTIFICATE EVERY MONTH! USE THEM AS YOU GET THEM, OR SAVE 'EM. \$120 TOTAL VALUE!

2nd PRIZE

5 COMPLETE LAUNCH FACILITIES

Launchers & accessories for all kinds of launching. Powr-Pad & Tiltel, Power-Power, Powr-Control, extra heavy-duty launch rod, and cluster clip-whip! Five chances at 2nd place!

3rd PRIZE

10 FLEETS OF MINI-KITS

A complete set of the fantastic Mini-Motor rocket kits. Nova Fireflash, Startrooper, Two-Bitz, Satellite 69SL, Mini-Dactyl! Ten chances to win 3rd prize!

4th PRIZE

25 R & D CERTIFICATE AWARDS!

Handsome engraved document, personally inscribed by Leroy Plester, our President, certifying the winner's contribution to creative model rocket design. 25 chances to win!

So many of you have been asking us to have another design contest since our last big one in the summer of 1972.

Not wanting it to be just another contest, we've strained our brains to come up with something really special!

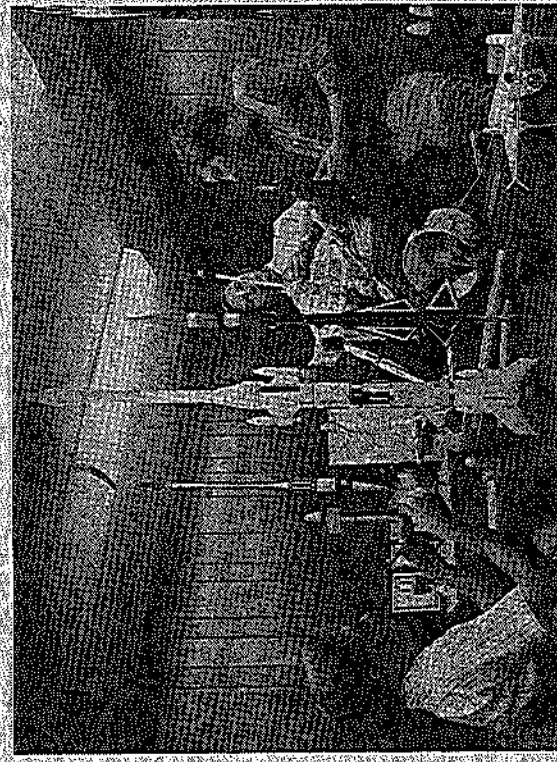
We will treat you just like one of our very own rocket designers in Centuri's Research & Development Department! Here's what we mean. Picture, if you will, yourself working away in our secret research laboratory hidden away somewhere near the Rocky Mountains. The door bursts open and in rushes the company brass, saying "OK fellows, we've got a weird problem! Our production people found a big surplus stock of this particular nose cone. We want you to design a special kit which will help use them up before they start running out our ears! Make a large, impressive kit with futuristic lines, lots of decals, pods, whatever. It could look like an alien spaceship, imaginary sounding rocket a military craft or almost anything... but don't have it look like any other kit. And don't forget to use the nose cone!"

You can pick up supplies and parts at your local retailer, or send directly to us for them. If you no longer have our current catalog (No. 73) see note at bottom right hand corner, on the back page.

Well, that is your mission, should you choose to accept it! Your design must use one or more of these Centuri nose cones.

# Series	Car. No.	Price
#5 Series	PNC-54	25¢
#7 Series	PNC-55	2/30¢
#7 Series	'Orion Pod Cone' PNC-71	30¢
	Not in catalog	
#8 Series	PNC-89	60¢
#10 Series	PNC-102	75¢
#13 Series	PNC-152	70¢
#16 Series	PNC-165	90¢
#16 Series	PNC-167	\$1.20
#20 Series	PNC-231	\$1.00

That deadline of October 31 may seem a long way off... but it isn't really! Allow time to design the model, receive all the parts, build and test-fly it, and time for your photograph to be developed.



Shown above are some of the judges and entries in our Customizing Contest back in 1972. In that contest we had actual models sent to us, instead of photos and drawings as in our new R & D Rocket Design Contest. Please don't send your actual models, or we won't have any room left to pack kits!

FROM YE OLDE EDITOR'S DESK



Grant Boyd
Editor

Salutations, Centurions! For you newcomers who have never seen "Rocket Times" before, this is our way of keeping in touch with rocketeers who mail-order regularly.

While previous issues were only sent with orders being shipped, many thousands of this issue are being sent to Centuri Aerospace Team Members as an experiment. With your mail order support we can continue sending it on a regular basis, and maybe even expand "Rocket Times" to more pages, technical articles, whatever.

We've replaced the large 100 tripod launch stand with the new "Power Tower" (see back page) - it does everything the "100" did, and more! And for less cost! Check it out, you true believers.

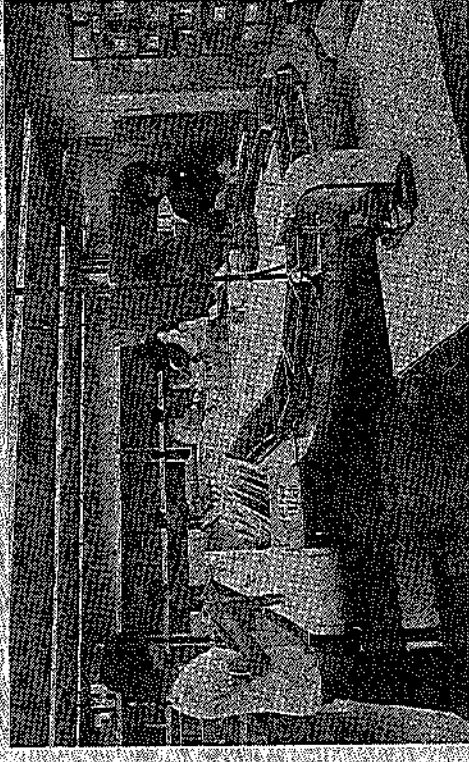
Enerjet is now being "Phased Down", but is still very much in the mail order business - see catalog offer on back page.

Several offers in this issue require that coupons be cut out... so we'll enclose another copy with your next order. Or, just request a fresh copy and enclose a self-addressed stamped envelope.

Our shipping department folks asked me to pass this on: if you send an order within two weeks of receiving this issue, they will include a free "Promptness Prize" - a giant decal sheet of emblems.

THE GRAND TOUR

NO. 3 IN A SERIES OF PHOTOS OF CENTURI



Here is part of the Small Kits Packing Department. These ladies work accurately and efficiently using a conveyor system originally designed for a missile guidance system factory.

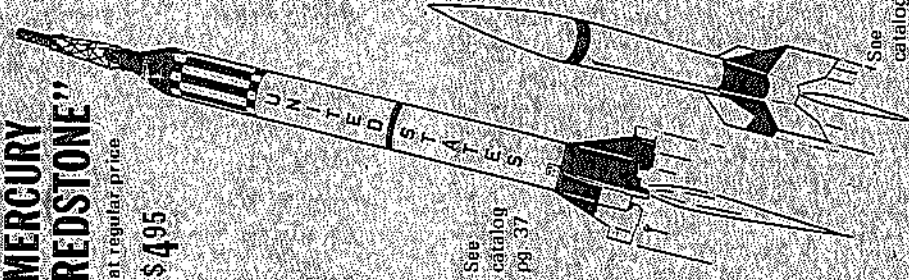
SUPER SCALE... SUPER SALE

This is a special offer, just for you readers. Chances are you have already used the "Freebie" bonus offers on the back of our current catalog... and are ready for something new!

Here's how it works. Buy one of the large Super-Scale rockets shown here (or at least equal dollars worth of other Centuri products) and receive another scale-type rocket for only "pocket change!" Just mark the appropriate coupon (printed on order blank on the back page), and include the right amount of "change" in the printed line under "sub-total." For instance, if you buy a 1/45th Little Joe (or at least \$15.95 worth of other stuff) and include another 69¢ you can receive a Nike Smoke kit. You can use more than one of the offers, as long as their value does not exceed what you are buying. Example: Use the Mercury Redstone offer (\$4.95) and the Saturn IB offer (\$10.95) if your order totals at least \$15.90... then include 29¢ for your MX-774, and 49¢ for the Aerobee 350.

Offers apply to Mail Order only.

**BUY ONE
"MERCURY
REDSTONE"
at regular price
\$4.95**

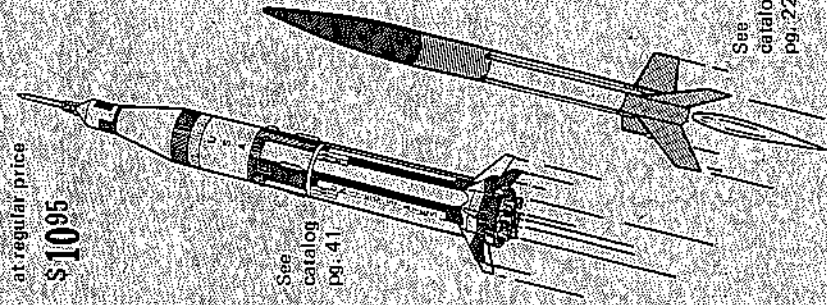


See catalog pg. 37

See catalog pg. 28

**AND GET ONE
"MX-774"
for only 29¢ (\$1.75 value)**

**BUY ONE
"SATURN 1B"
at regular price
\$10.95**

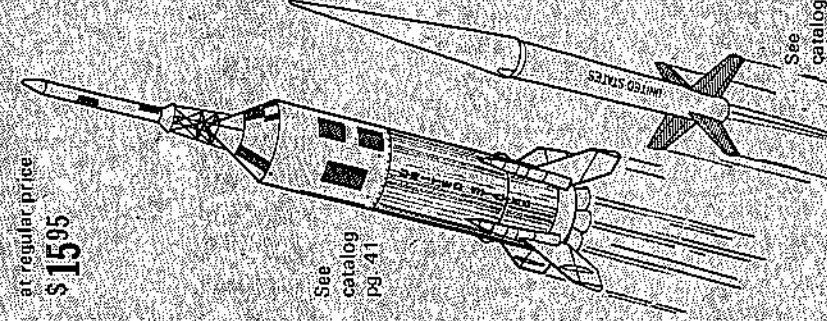


See catalog pg. 41

See catalog pg. 22

**AND GET ONE
"AEROBEE 350"
for only 49¢ (\$2.50 value)**

**BUY ONE
"1/45 LITTLE JOE"
at regular price
\$15.95**

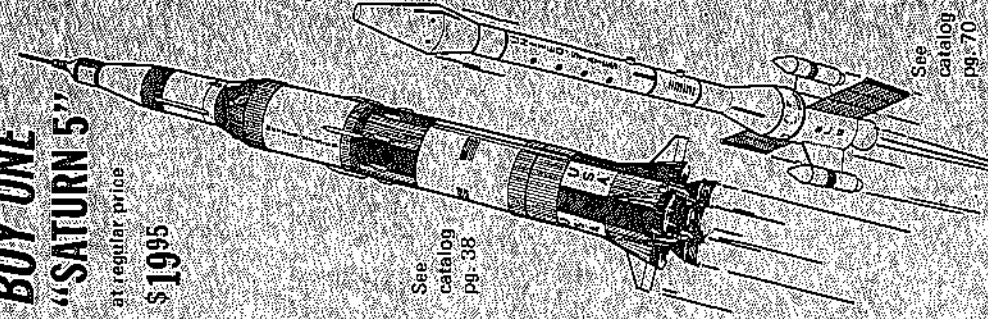


See catalog pg. 41

See catalog pg. 29

**AND GET ONE
"NIKE SMOKE"
for only 69¢ (\$.35 value)**

**BUY ONE
"SATURN 5"
at regular price
\$19.95**



See catalog pg. 38

See catalog pg. 70

**AND GET ONE
"SKY-LAB"
for only 89¢ (\$.45 value)**



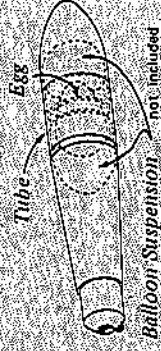
Excalibur has pre-cut fibre fins and decals. It streaks to well over 1000 feet and returns each time on a colorful parachute.

- 4 POWERFUL ROCKET ENGINES
- "SURE-SHOT" IGNITERS
- PARACHUTE WADDING
- Complete ROCKETEER'S GUIDEBOOK

NEW PRODUCTS

Here's a few of the latest new ideas brought to you by Centuri's Celebrated Eccentric cerebrals (say that 5 times fast). These are too new to be in our latest catalog (no. 73), but you can bet they and lots of other great stuff will be in our next one.

EGG CAPSULE



Large molded lightweight plastic capsule ideal for Egg-Lifting, or create your own large payload section. 2" maximum diameter; fits into #20 Centuri body tube. Includes #20 tube for joining the capsule sections (you cut apart along groove that runs around the middle).

Cat. No. PNC-13E \$1.95
Capsule & Tube

COMPLETE STARTER OUTFIT

Catalog No. 3502 \$12.95

Here is the latest rocket outfit from Centuri! You probably already got your "start" some time ago, so here is a great one to recommend to friends who want to get in on model rocketry. It's like the popular "Eagle Power" Outfit, but with more of everything in it!

- Deluxe POWER-PAD LAUNCH SYSTEM (will launch more than 500 times with recommended battery) Now you can adjust the "launch angle" with special "tilter" to compensate for wind... and for "Spot Landing" competi-

tion. (Battery not included.)

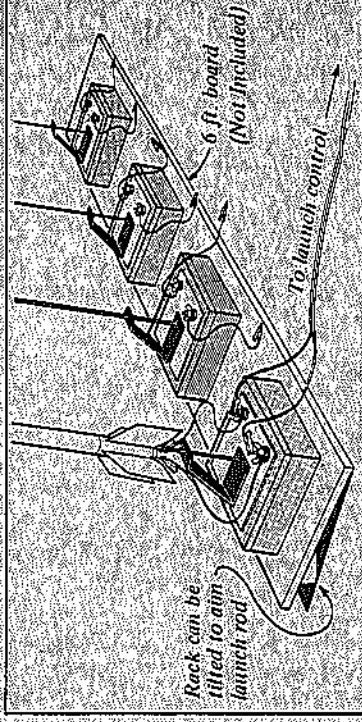
- Unique FIRING CONTROL HANDLE requires special safety key (included) to be inserted before launcher can be activated.
- "SCREAMING EAGLE" rocket. This almost-ready-to-fly bird assembles in minutes. No painting or tools required! The "Eagle" comes with pre-colored body, nose cone, and molded fin set. It flies nearly 2000 feet high and returns on colorful parachute.
- "EXCALIBUR" rocket over 2 feet tall. Fast to assemble; the

GROUP LAUNCHER Complete 4-Pad Launch System

- Lowest Price Anywhere
- 4 Reliable Launch Stations
- Use Any 6 or 12 Volt Battery
- Launch Rockets In Succession
- Ideal For Clubs, Schools

Orig. Value \$18.95
NOW ONLY \$10.95

Catalog No. LIA-450



Here is what you get:

- 4 Launch bases
- 4 Steel deflectors
- 4 Asbestos pads
- 4 Launch rods
- 4 Sets of igniter clips
- 4 Sets of hardware
- 1 Power Control with large battery clips
- 1 Complete instructions

Would you believe this all goes together to make a four-pad launch system? At last, a group launcher within the budget of any club or school!

VINTAGE GOODIES... MORE GOODIES...

Here's some perfectly fine merchandise from out of the past in like-new condition, but no longer in our catalog.

GIANT FIN SHEETS

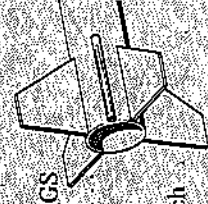


Heavy stock for large designs only. Four printed fins on 3/16" x 4" x 12" hi-grade balsa. Many designs available. Our choice.

NOW: 2 sheets for 50¢

Or 4 sheets for 75¢

ALUMINUM LAUNCH LUGS



Super strong use contact cement.

WAS: 20¢ each

NOW: 4 for 15¢

Catalog No. AL-4551

Catalog No.

Rest of Launch Rod

LIA-50 LAUNCH STAND

Surplus launching platforms, left over from the days before we had "Powr-Pad" and "Servo Launcher". Use with any 6 or 12 volt battery, and launch control (see such as our new "Powr-Control").

LAUNCHER ASSEMBLY WAS:

INCLUDES: 2-Piece Launch Rod

Steel Deflector

Asbestos Pad

Binder Posts

Sturdy wood launcher base

Electrical Micro-Chips

Plus all hardware and assembly & launch instructions.

WAS: \$3.75

NOW: \$1.95

2-Piece Launch Rod

Steel Deflector

Asbestos Pad

Binder Posts

Sturdy wood launcher base

Electrical Micro-Chips

Plus all hardware and assembly & launch instructions.

AND STILL MORE

Professionally designed hemispherical chutes for sure safe recovery of large-scale rockets. Parabolic panels of alternating high-visibility colors are easy to spot at high altitudes. Durable SIL-RAY canopy has "spill hole" sewn into center. Strong nylon shroud lines firmly anchored into the canopy. Not recommended for use in body tubes smaller than #16.

PS-24 24" Red, White & Black \$3.95

PS-30 30" Red, White, & Black \$4.95

STREAMER MATERIAL Ideal for recovering extremely high altitude birds. Allows rocket to descend nearer to the launch site than with a chute. Creased strip is approximately 3 in. by 7.5 ft. Attach to shock cord with tape or staples. Shipping Weight 2 oz.

RS-120 Package of one WAS 30¢ NOW 25¢

TESTOR'S SPRAY ENAMEL Economically priced spray enamel, especially useful for painting plastic parts. Dries to glossy finish. Available in Red, Yellow, Gloss Black, Silver, Metal Flake Orange, Metal Flake Red. Specify color. Shipping Weight 8 oz.

FP-7 3.2 oz. spray can WAS 69¢ NOW 59¢

TESTOR'S FLUORESCENT SPRAY PAINT High visibility paint in handy spray can. Easy to spot at high altitudes. Compatible over Krylon and most other enamels. Available in Orange, Yellow, Green, Red, Pink. Specify color. Shipping Weight 8 oz.

FR-5 3.2 oz. spray can WAS 89¢ NOW 75¢

TESTOR'S FLUORESCENT BRUSH-ON ENAMEL Adds that "finishing" touch in distinctive high visibility colors. May be applied over Krylon and other enamels. Available in Orange, Green, Yellow, Red, Pink. Thinner. Specify color. Shipping Weight 4 oz.

FP-50 1 oz. bottle WAS 35¢ NOW 29¢

MYLAR LAUNCH LUGS

Ferretic, lightweight, legs with super strength and hi-gloss finish. Attach to rocket body with glue. Used to guide rocket along rods up to 3/16" in diameter, 0.209" I.D. Ship. Wt. 1 oz.

LL-12 2" long WAS 3/20¢ NOW 3/15¢

LL-13 3" long WAS 3/25¢ NOW 3/20¢

FIN REINFORCING MATERIAL

Ultra-thin lightweight Silray material for extra strength in fin-to-body joints. Keeps fins from "springing off" on high acceleration rockets. Apply with Superbond glue. Ship. Wt. 2 oz.

SR-12 1 sheet 12" x 12" WAS 30¢ NOW 20¢

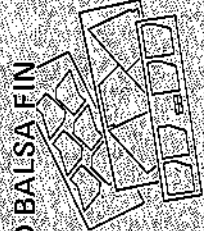
LARGE SCREW EYES Heavy-duty screw eyes for use in large balsa nose cones and payload capsules. Bright-plated steel with coarse thread. Net Weight 0.1 oz. Shipping Weight 1 oz.

SE-20 Package of 3 WAS 20¢ NOW 15¢

HEAVY DUTY SNAP SWIVELS Sturdy, lightweight hooks for quick snap on attachment of parachute to rocket. Keeps hood lines from twisting during recovery and makes it easy to switch chutes from rocket to rocket. Shipping Weight 1 oz.

SW-7 Package of 6 WAS 55¢ NOW 35¢

PRINTED BALSA FIN GRAB BAG



Loads of high quality balsa sheets with pre-printed fin patterns! These popular fin shapes were left over when we converted many of our kits to die-cut balsa. Cut out and use fins as printed, or turn over and create your own designs. Sizes vary from 2" x 9" up to 3" x 12", our choice.

5 Assorted fin sheets 49¢

Catalog No. FGB-5

(Original value: \$1.60)

ID-50

Steel Exhaust Deflector

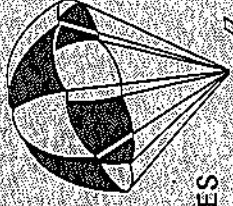
(same as in LIA-50)

WAS: \$5.00 NOW: 10¢

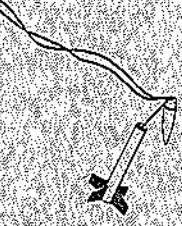
Catalog No. ID-50 OR: 6 for 50¢

QUANTITIES OF "GOODIES" LIMITED. WE MAY SUBSTITUTE, IF NECESSARY.

FOR "HEAVY" BIRDS, MAN



SILK PARACHUTES



NEW REVISED MINI-MOTORS

Centuri Mini-Motors have undergone a dramatic change.

Our Mini-Motors originally were 2 1/2" long. This length allowed for up to "B" power. We had used special extra-strong paper to make mini-size castings capable of withstanding "B" power. Now, the worldwide paper shortage and other considerations have forced us to discontinue the "B" mini series, and to shorten the engines length.

Every cloud has a silver lining, though. Read on, true believer.

Limiting the Mini's to "A" power (and below) and decreasing their length from 2 1/2" down to 1 3/4" has an advantage for you. Our new, standard length Mini-Motors may now also be used to fly other mini rockets on the market!

We now supply a few 3/4" long spacing tubes with each box of Mini-Motors. Simply insert the spacer into your engine mount, ahead of the Mini-Motor. Just leave out the spacer tube, if you use the previous longer version.

And speaking of mini rockets, here's what the newsletter of the Starlord H.O. model rocket club of Honolulu, Hawaii has to say referring to a recent contest:

"The boost gliders were dominated by the new Centuri Mini Daety! In "Gnat BG" (1/4A power) the strategy was clear, beat the Mini-Daety! All was to no avail, as all three places went to Mini-Daety! winning time was 1 minute 27 seconds!"



Cat. No. KM-6

\$2.25

RECOMMENDED MOTORS

Double Glider KA4-3M, KA4-2M

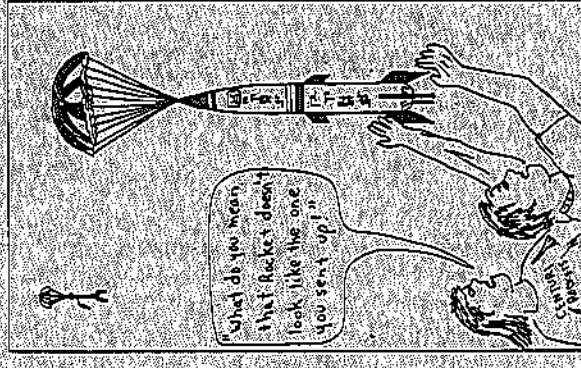
Single Glider KA4-2M, KA4-3M, KA4-4M

CARTOON CONTEST

CONTEST PRIZE WORTH \$4.50

Want to see your cartoon published? Just draw what you think is a funny cartoon about model rocketry and send it to me, ye Olde Editor, "Rocket Times".

Each issue, we will pick the one most suitable for publication, just like we did below. This little jewel was sent in by JOHN STUNDIS of Ithaca, N.Y.



FIN PATTERN SHEET

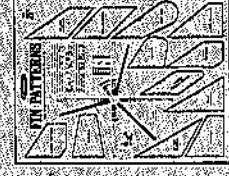
Includes fin alignment guide

WAS: 25¢

NOW: 10¢

or 6 for 25¢

Catalog No. FPS-2



ORION WRAPPER

Highly detailed plastic sheets. Use contact cement.

2 for 25¢

Catalog No. ORS-2 wide

EGG CRATE DECAL

Handsome 3-Color 3" x 8"

WAS 30¢

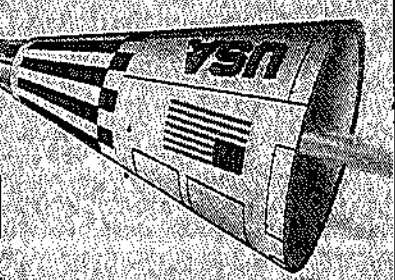
NOW 20¢

Catalog No. M-308



the amazing PROFINITI

Catalog No. KC-13



- Balsa nose cone!
- Pre-colored!
- Lightweight fibre-parts!
- Includes "cockpit"!
- 8" long, but fat!

UNUSUAL BODY SHAPE ACTS AS ITS OWN PARACHUTE!

WAS \$1.60 NOW 75¢

RECOMMENDED ENGINE B4-2 (ONLY)

LAUNCHER ASSEMBLY

INCLUDES: 2-Piece Launch Rod

Steel Deflector

Asbestos Pad

Binder Posts

Sturdy wood launcher base

Electrical Micro-Chips

Plus all hardware and assembly & launch instructions.

WAS: \$3.75

NOW: \$1.95

2-Piece Launch Rod

Steel Deflector

Asbestos Pad

Binder Posts

Sturdy wood launcher base

Electrical Micro-Chips

Plus all hardware and assembly & launch instructions.

NOTE: YOU MUST USE THIS ORDER BLANK TO ORDER THE ITEMS ADVERTISED IN THIS ISSUE!

ROCKET TIMES No. 3



ORDER BLANK

ATTN: SHIPPING DEPT.
 Enclose free "Promptriss Prize" if customer has ordered within 2 weeks of receiving this issue!

SHIP TO: *Please print name and address clearly.*

Name _____ Age _____
 Address _____
 City _____ State _____ Zip _____

SEND TO: Centuri Engineering Co.
 P.O. Box 1988
 Phoenix, Arizona 85001

Is this your first order to Centuri?
 Yes No
 Have you ordered within the last year?
 Yes No

If you have moved since your last order, please write your old address here.

Catalog No.	How Many	DESCRIPTION	PRICE per page etc.	TOTAL
M-314	1	Promptriss Prize (if qualified) ...A Centuri Data Sheet	FREE	
EPG3-2010		"Power Pair" Launch System	7.50	
		Fantasy Fleet	5.99	
		Super-Scale Super-Sale Kit - Sale Price →		
Sub-Total				
TOTAL FOR MERCHANDISE				
IF YOUR ORDER IS up to \$1.00 add 50¢ for handling, \$1.01 to \$5.00 add 30¢ for handling, \$5.01 and over for handling charge.				
Centuri pays the postage to ship your order by regular surface Parcel Post.				
TOTAL AMOUNT ENCLOSED				

Check one!

SUPER SCALE - SUPER SALE!
 If I'm buying a Mercury/Radator (or at least \$4.95 worth of other products as shown in the Sub-Total): Please send me a MX-774 for the 29¢ entered above.
 If I'm buying a Saturn 1B (or at least \$10.95 worth of other products as shown in the Sub-Total): Please send me a Aerobee 350 for the 49¢ entered above.
 If I'm buying a 1/45 Little Joe (or at least \$75.95 worth of other products as shown in the Sub-Total): Please send me a Nike Smoke for the 69¢ entered above.
 If I'm buying a Saturn 5 (or at least \$19.95 worth of other products as shown in the Sub-Total): Please send me a Sky-Lab for the 89¢ entered above.

CENTURI ENGINEERING COMPANY
 P.O. Box 1988, Phoenix, Arizona 85001

Third Class Postmaster: If undeliverable, please do not return.

Rocket Times Special Edition
Rocket Times Special Design Contest!
 ★ R&D Rocket Products!
 ★ New Products!
 ★ Special Sales!

ENERJET CATALOG NOW AVAILABLE

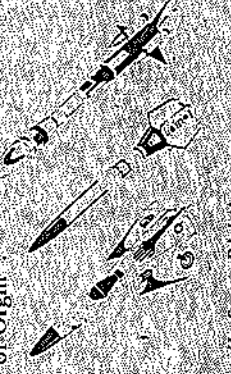
The 1974 Enerjet Special Edition Catalog (no. 741) is hot off the press and ready for experienced rocketeers. In case you have not heard (and who hasn't!), Enerjet Inc. is the Centuri subsidiary which provides the world's most sophisticated high performance model rocket motors the large and fantastic "Enerjets".

This brief but fascinating catalog is FREE for the asking, if you will do us one small favor. Provide us a stamped self-addressed envelope big enough for us to send it to you... a standard business size envelope (about 9 1/2" x 4 1/2") should do the trick.

If you are at least 16, have considerable model rocket experience, and willing to pay more for ultimate performance, then give it a look-see.

FANTASY-FLEET

Just a reminder... 3 great spacey designs. Each one includes a free science-fiction story sheet about the rocket's "Planet of Origin".



(Left to Right)
 VULCAN /KA-10 1.75
 VECTOR /KB-2 1.75
 TAURUS /KL-3 3.00
 Total Value \$6.50

SPECIAL OFFER \$5.99
 All 3 for only

FUNNY LETTERS

Everyday our bedraggled mailman staggers in here, bearing yet another sack of mail... most of it being orders, clinty letters from friends, ideas for new designs, etc. But, everyone in a while we receive a really unusual and unintentionally funny letter... here's one we just have to share.

Dear Sirs:
 I am in jail at the present time. I am studying Model Rocketry and need all the information I can get on this subject. Please Rush!!!
 J.S., Orlando, Florida

MORE NEW PRODUCTS

power power

universal design for all sizes of model rockets and engines

MODEL ROCKET LAUNCH STAND
 Catalog No. 3610
 \$3.95

LAUNCH ROD
 Two piece 1/8" diameter for all standard model rockets.

TILT ADJUSTMENT
 Can also accept heavy-duty 3/16" rod (available separately) for giant rockets.

COMPACT
 Legs come off for storage and transportation.

plus these unique features not found on any other plastic tripod launch stand!

ANGLED DEFLECTOR
 Carefully engineered to direct hot exhaust away from rocket fins.

METALLIC "DECALS"
 "Spec-Plates" provide useful data at launch site.

POW-CONTROL

GENERAL PURPOSE LAUNCH CONTROLLER



GET A "POWER PAIR"
 A Pow-Tower and a Pow-Control for only \$7.50

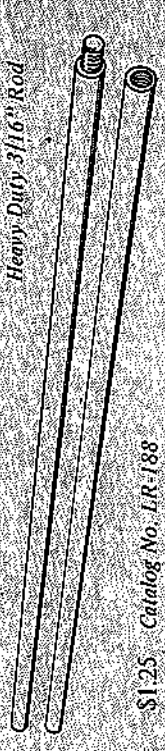
(\$6.95 plus postage)
 (Does not count toward Super-Sale Super-Sale - see order Bliply)

Catalog No. EPG-3 \$3.95

HEAVY DUTY LAUNCHINGS

We strongly recommend the use of a stronger stiffer, 3/16" diameter launch rod, when launching extra large rockets, cluster-engine-birds such as the Centuri Saturn V, Saturn 1B and 1/45th Little Joe, or any rocket with engine power greater than "D" class.

The expensive 3/16" x 36" piano wire may be found in many hobby shops. Welding rod of this size is carried by hardware and building supply stores or you may order a special machined 2-piece rod from us, collapsible for easy storage.



\$1.25 Catalog No. LR-188

DO YOU NEED ANOTHER CENTURI CATALOG? We mean, do you really need it? If you do us the favor of asking for it only if you have none, then we will do you the favor of sending it free. Just clip out your address label below (correcting if necessary) and send it to us, ATTENTION: RT#3 FREE CATALOG.