

# NICK SAYS ALL SYSTEMS ARE "GO!"

## SANTA CLAUS NO MYTH! EXCLUSIVE INTERVIEW WITH THAT GRAND OLD MAN AT THE TOP OF THE WORLD!

DATELINE-NORTHPOLE... Our roving Rocket Times reporter brings you this exclusive interview with Santa Clause himself! Now, some people claim they don't believe in Ol' Saint Nick... but lots of us here at Centuri do! Every year about this time someone named "S.C." sends in a mail order for an unbelievably huge assortment of rocket supplies to be sent to "Packing Dept, North Pole". We work so hard getting all those goodies shipped off, that we begin to feel like elves.

Our reporter found Santa busy in his workshop, tooling up for Christmas. Elves were running around all over the place, bump-

ing into each other about like the characters on "Gilligan's Island". Santa took time to answer our questions:

"Santa... uh, what should I call you; Santa Clause, St. Nicholas, or what? You've been known by so many names by people in so many different lands, over the centuries."

Santa chuckled "Don't be so formal, son. My friends just call me Nick, and everybody is my friend!"

"Ok Nick. Can you tell our readers something about your job, which they may not know? Like, do you have any unusual problems?"

Santa thought a moment, and said "Well, yes, every year I have the same problem; how to get that old sleigh of mine in running condition! After all, I've been using it for nearly two thousand years and its got a lot of miles on it! But its pretty sturdy. Legend has it that my sleigh was made by an ancestor of the folks who made Studebakers, so you know its got to be good!"

"Nick, have you ever thought of replacing the sleigh with a newer model?"

"No, son, I'm kind of fond of it. But a few months ago some guy named Keevel Neevel, or Weevel or something, tried to talk me into a rocket powered version. He said I should get "with it" and have a crash bar, ejection seat and Day Glo colors... Then some rocket company down in Arizona made a prototype of it... my it was a green and red vision of power! But I turned them down... I'm too old to change my ways!"

"Nick, we hope you never do change! Say, how do you keep up with the growing numbers of kids in the world?"

Santa pointed off to a row of computers busily clicking away, and said "Those gadgets are a great help! We use computers to keep track of which children want which presents. But other than computers, we don't use many new fangled doo-dads... gotta keep the personal touch, you know. Business is growing though... someday if there is a colony started on the moon I might have to start off earlier on Christmas Eve to get to all the chimneys."

Santa took me in to have a snack. He said "Say this reminds me of a little party we had last New Year's Eve. Ms. Clause baked cookies and we had the neighborhood folks come over. We had 16 reindeer (our crew brought dates), 7 elves and a polar bear that was headed for Las Vegas. You know how it is; all we could do was talk shop. The reindeer wanted a new contract with no more roof landings. Hurts the hooves, they said. We'll work it out."

"Nick, is there any last thing you want to say to our readers?"

"Yes, tell all your rocketeer friends out there that Santa says: Merry Christmas to all, and to all a good flight!"



## NEW SCOUT ROCKETS ARE TAKING OFF!

One year ago we developed a whole line of Cub Scout model rocket products exclusively for the Boy Scouts of America. The "Model Rocket Derby", is similar to the famous Cub Scout "Pinewood Derby", but with rocketry excitement!

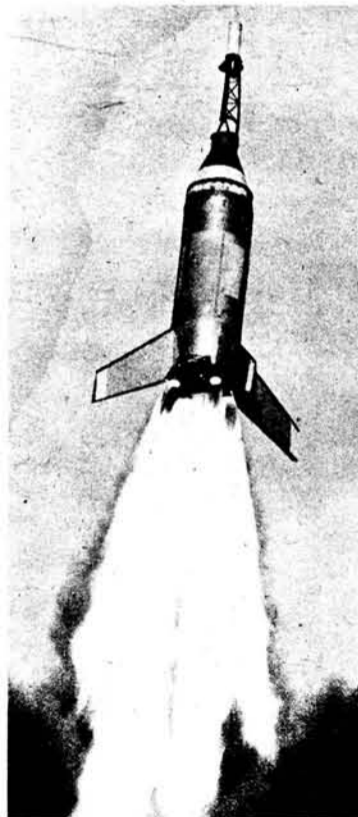
The "AKELA-1" streamer-recovery rocket kit is sold singly and in 8-packs. It includes complete instructions, plans for an easy home-made launcher, and

rules for three flight contests. A B.S.A. Powr-Pad launcher, and flight supplies are also available.

If you're into Scouting, check with your leader. (NOTE: These products are not the same as the rubber-band powered B. S. A. "Space Derby".)

"Model Rocket Derby" products are not available from Centuri... Scouting people can buy them at their B. S. A. dealer.

## MERCURY LITTLE JOE



The Mercury Little Joe can't be found in kit form anywhere, but we have the Custom-Parts for you to create your own version of this historical bird!

The real Mercury Little Joe test vehicles were designed and built in a very short span of time, soon after the first Sputnik was launched in 1957. This crude but practical design was used to test the Mercury Capsules... one of which would later carry Alan Shepard as America's first man into Space, atop the mighty Mercury Redstone.

Historical information and basic instructions on building the Mercury Little Joe for standard engines are contained in Enerjet News #4. This obsolete pamphlet is yours free for the asking if you order parts for the model. Look over the parts listed below... you may already have some of them! Remember to ask for "Enerjet News #4" free on your order blank, but only if you also order parts for it.

### PARTS LIST

Qty.	Name	Centuri Cat. No.	
1	Plastic Mercury Capsule Kit	MR-36	\$ 1.50
1	Body Tube	ST-2012	.75
1	Balsa Sheet (3/16" x 3" x 12") from:	BFM-14	3/.80
1	Engine Mount	EM-20	.95
1	Launch Lug	LL-3	3/.40
2	12" Diameter Plastic Chutes	CP-12	.50 ea.
1	16" Shock Cord	SC-18	3/.50
4	Wooden or Plastic Golf Tees	Not Available from us.	
<b>OPTIONAL PARTS</b>			
1	#8 Red Roll Pattern Decals (for the "United States")	DC-32	.35
1	Engine Lock	EL-1	3/.60

## FROM YE OLDE EDITOR'S DESK



Grant Boyd, Editor

"Leaping Lizards!" (Or bring Little Orphan Annie's favorite saying up to date: Dancing Dinosaurs!) We've got lots of news for you!

A new 1975 Centuri Catalog is now in the works. If things go the way we plan it will be completely different from any other model rocket catalog you've ever seen! Speaking of catalogs, this issue of Rocket Times will serve as sort of a temporary catalog for you until we get out the real thing. We don't have every Centuri product in this issue, but we hope we have most of your favorites!

The new prices shown in here have been in effect since early August... We have not yet gotten around to revising the prices printed in our old #73 catalog... so if you've ordered from us in the last couple of months, you've been getting a good deal and didn't even know it!

The folks in our Shipping Department asked us to pass this friendly tip along to you: If you order from us and want to receive your package before Christmas, please mail your order in to us no later than December 1.

Lots of you have written in to ask how you can get a subscription to Rocket Times. Well, here's how it works: There are no "subscriptions", as such. Every two or three months we try to find time to issue out an issue. We go to the fellow in charge of dollars (he looks like a kind of friendly Scrooge McDuck) and he checks to see if we have enough coins to pay the postage for mailing out umpteen thousand copies, mostly to folks who have mail-ordered within the last year. If we can't do that on a particular issue, then we just enclose a copy with all orders we ship out. Either way, if you like to receive Rocket Times, you can get it by ordering at least once in a blue moon. If several months go by, and you haven't received a new issue, just send us a large self-addressed envelope with 2 first class stamps and ask for the current issue.

Keep 'em flying!

# "THIS IS MISSION CONTROL"

COUNTDOWN TO LIFT-OFF EXCITEMENT!!

## EAGLE POWER™

FLYING  
ROCKET  
STARTER  
OUTFIT

WHAT'S AN EAGLE POWER? Why, it's a Screaming Eagle, a Powr-Pad and all the goodies needed to start flying model rockets! Requires no paint, modeling tools or special skills. Nothing else to buy, except a battery. Eagle Power is your best buy for price, convenience and performance.

- SCREAMING EAGLE ROCKET KIT WITH PARACHUTE
- POWR-PAD LAUNCH SYSTEM WITH ROD TILTER
- 2 POWERFUL ENGINES, CHUTE WADDING & GLUE

Catalog No. 3501 **\$995**

Battery not included



- POWR-PAD USES STANDARD 6-VOLT LANTERN BATTERY
- GOOD FOR OVER 500 LAUNCHES
- AVAILABLE AT MOST HOBBY AND SPORTING GOODS STORES

RECOMMENDED BATTERY	
6 VOLT "LANTERN"	
Bright Star 158	Ray-O-Vac 918
Burgess TW-1	RCA VS317
Eveready 731	Sears 4707
Mallory M-918	Ward BMW
Marathon 896	Wizard 2D8918

You may substitute other 6-volt brands of the same physical size.

## 2 BIG Rockets



**\$1495**

Catalog No. 3502

## BIG SHOT

Here is our latest rocket outfit! It's like the "Eagle Power" but with more of everything. You may already have got your "start" sometime ago... so here's a great gift idea for friends.

- SCREAMING EAGLE KIT
- EXCALIBUR KIT
- POWR-PAD LAUNCHER & TILTER
- 4 POWERFUL ENGINES
- BIG 40 PAGE GUIDEBOOK
- CHUTE WADDING & GLUE

## power tower

universal design for all sizes of model rockets and engines

### MODEL ROCKET LAUNCH STAND

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

**LAUNCH ROD**  
Two-piece 1/8" diameter, for all standard model 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.

Catalog No. 3610

**\$395**

### POWR-CONTROL GENERAL PURPOSE LAUNCH CONTROLLER



Catalog No. EFC-3

**COMBINATION OFFER!**  
GET A "POWER-PAIR" ... A Power-Tower and a Powr-Control for only. **\$850**

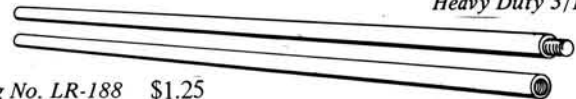
A "Spin-Off" from the Powr-Pad... Includes 15 feet of firing line with pre-soldered micro-clips. 5 feet of jumper cable with LARGE battery clips. Use any heavy duty 6 or 12 volt battery... even a car battery. Can be modified for cluster igni-

### 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 the 1/45th Little Joe, or any rocket with engine power greater than "D" class.

Inexpensive 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, collapsable for easy storage.

Heavy Duty 3/16" Rod



Catalog No. LR-188 \$1.25

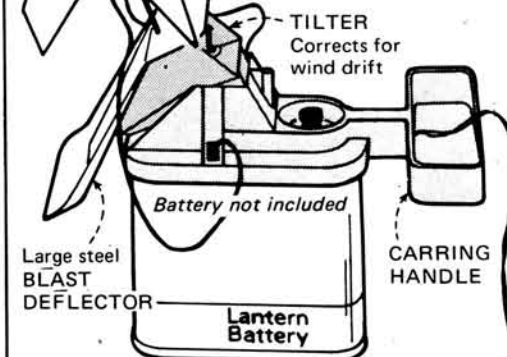
## POWR-PAD

MODEL ROCKET LAUNCH SYSTEM

- For all standard rockets, even Minis!
- Handles all types of igniters.
- For "1/4A" thru "D" and staged engines!
- Compact, reliable, highly portable!



PROBABLY THE WORLD'S MOST SENSIBLE LAUNCHER EVER!



Large steel BLAST DEFLECTOR

Battery not included

CARRYING HANDLE

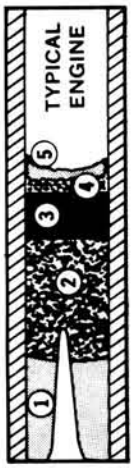
**LAUNCH CONTROLLER**  
With check light, recessed button, chrome "stick-ons"  
Fits in carrying handle for portability

Easily assembled with a screwdriver.

**\$795**

Catalog No. 3606

# "here's the fabulous mini line!"



Check out the size comparison above to see why Mini's are like standard engines... and why they are not!

Mini's have a nozzle (1) and casing pretty much like a standard engine, but scaled down in size for flying smaller-diameter rockets. Great for the altitude contests! The propellant (2) in a Mini-Motor packs as much power as a standard engine in the same class. Examples, Mini 1/2A = standard 1/2A. The delay (3) ejection (4), and cap (5) work just like in a standard engine.

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 casings 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 rocket kits, here's what the newsletter of the *Starlord H.Q.* model rocket club of Honolulu, Hawaii has to say referring to a recent contest: "The boost gliders were dominated by the new Centuri Mini Dactyl. In "Gnat BG" (1/4A power) the strategy was clear, beat the Mini-Dactyl. All was to no avail, as all three places went to Mini Dactyl... winning time was 1 minute, 27 seconds...!!"

Mini Motors cost a little less than standards, per engine. You can use Mini's with any launcher and standard "Sure-Shot-Dot" igniters (included).

## Mini-Motors

NUMBER & TYPE	PRICES 4-PACK	MAXIMUM ALTITUDE
1/4A-2M 1/4A-4M	\$1.35	400 ft.
1/2A-3M 1/2A-5M	\$1.45	700 ft.
A4-2M A4-4M A4-6M	\$1.55	1100 ft.

Each kit can be built in one of two different styles

## FIREFLASH

MISSILE

Semi-scale missile styled after a classic British rocket, it really flies great. This 10" beast features parachute, gorgeous "decals", and 5 plastic nose cones!

RECOMMENDED MOTORS	SPECIFICATIONS	PRICE	CATALOG NO.
1/4A4-3M A4-4M	Length 11.5" Body Diam. 0.54" Net Weight 1.2 oz.	\$250	KM-5

## STAR TROOPER

CONTEST BIRD

A 6" baby, stripped down for ultimate altitudes! Hollow plastic nose cone allows for rear-ejection streamer-recovery. Includes "stick-on" decals and balsa fins, plus parts for alternate longer version.

RECOMMENDED MOTORS	SPECIFICATIONS	PRICE	CATALOG NO.
1/4A4-4M A4-6M 1/4A4-5M	Length 5.6" Body Diam. 0.54" Net Weight 0.3 oz.	\$125	KM-3

## NOVA

SPORT ROCKET

12 inches of high performance with long clean lines. Includes balsa fins, decals, balsa nose cone, and parts to build it for rear-ejection streamer, or nose ejection parachute.

RECOMMENDED MOTORS	SPECIFICATIONS	PRICE	CATALOG NO.
1/4A4-2M A4-4M 1/4A4-3M B4-5M	Length 12.4" Body Diam. 0.76" Net Weight 0.6 oz.	\$195	KM-4

## MINI-DACTYL

CONTEST BOOST GLIDER

Truly sophisticated 15" long "system" for extremely long boost-glider duration! Includes streamer-recovery pod, giant 2 color decals, balsa nose cone and balsa for building TWO gliders.

RECOMMENDED MOTORS	SPECIFICATIONS	PRICE	CATALOG NO.
1/4A4-2M 1/4A4-3M A4-2M A4-4M	Length 15.0" Body Diam. 0.54" Glider Wt. 0.15 oz.	\$295	KM-6

## TWO-BITZ

FOR ONLY 6 BITS

Pre-cut fibre sheets to make TWO 5" long feather-weight-recovery rockets! Bitz #1 is all pre-colored with a plastic nose cone! Bitz #2 is left un-colored, so you can customize!

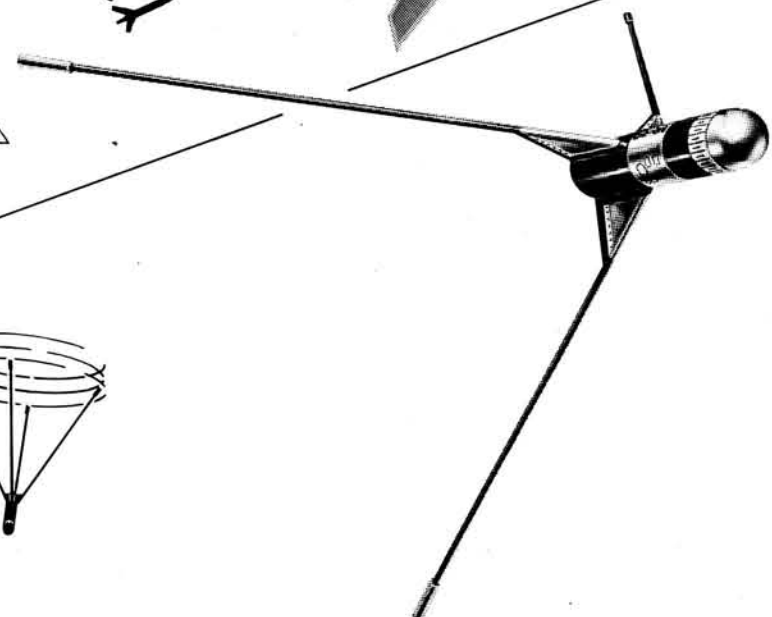
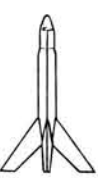
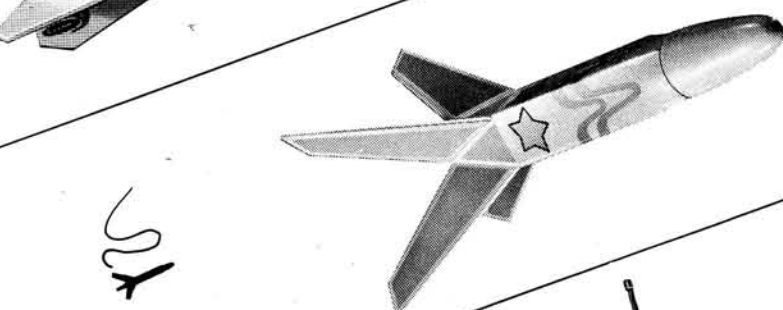
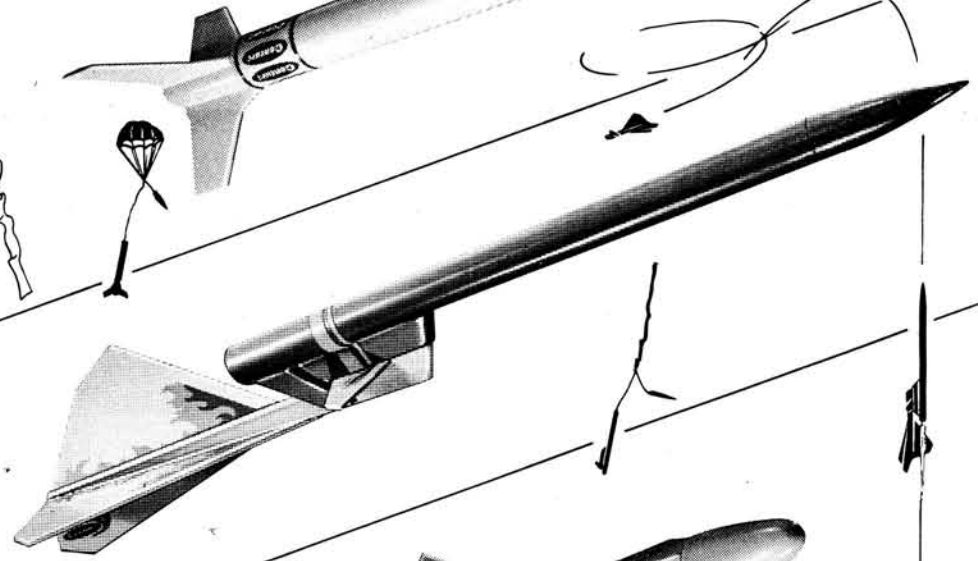
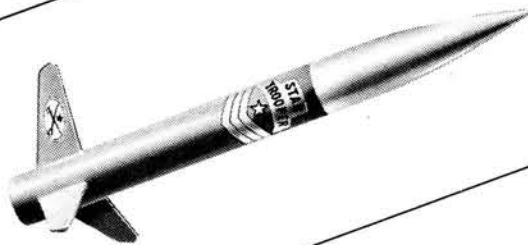
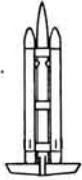
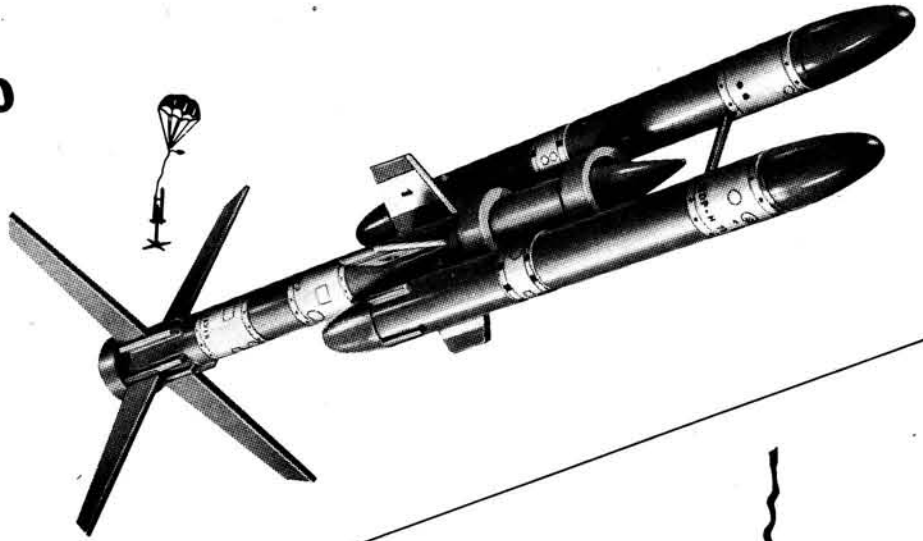
RECOMMENDED MOTORS	SPECIFICATIONS	PRICE	CATALOG NO.
1/4A4-2M A4-5M 1/4A4-3M	Length 4.5" Body Width 0.54" Net Weight 0.2 oz.	75¢	KM-1


## SATELLITE 62SL

GYRO ROCKET

Spins like a gyro copter on the way down, after engine ejection. This 8" long rocket features black & chrome "stick-ons", molded nose cone, and four long wood "antenna" fins.

RECOMMENDED MOTORS	SPECIFICATIONS	PRICE	CATALOG NO.
1/4A4-4M A4-6M 1/4A4-5M	Length 8.0" Body Diam. 0.54" Net Weight 0.2 oz.	\$100	KM-2






SPECIFICATIONS	
Designation	Screaming Eagle
Length	16.4" Net Wt. 1.6 oz.
Recom. Engines	A8-3 B4-6 B6-6 B14-5 C6-7
Parachute Recovery	

**SCREAMING EAGLE**

SPORT ROCKET

Cat. No. KA-3  
**\$250**

- Ideal Beginner Rocket
- Assemble & fly in 20 min.
- All parts are pre-colored
- Colorful Metallic Decals
- Only requires glue



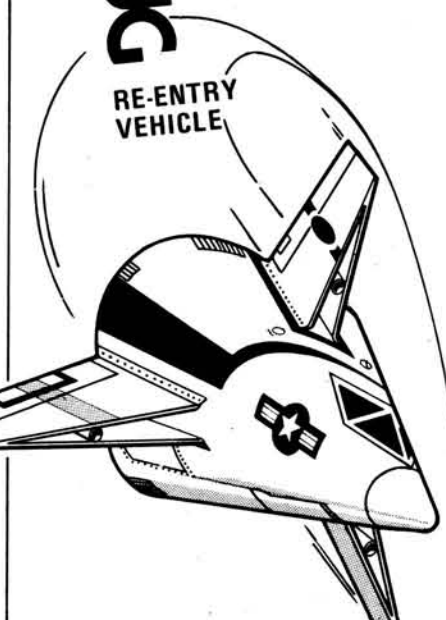
SPECIFICATIONS	
Designation	EXCALIBUR
Length	26.5" Net Wt. 1.60 oz.
Recom. Engines	A8-3 B4-4 C6-5
Parachute Recovery	

**EXCALIBUR**

SLEEK CLOUD PIERCER

Cat. No. KA-8  
**\$250**

- Research Rocket detailing
- Big - - over 2 feet tall
- Die-cut Fibre Fins
- Chrome Trim & Decals
- Quick-change Engine Lock



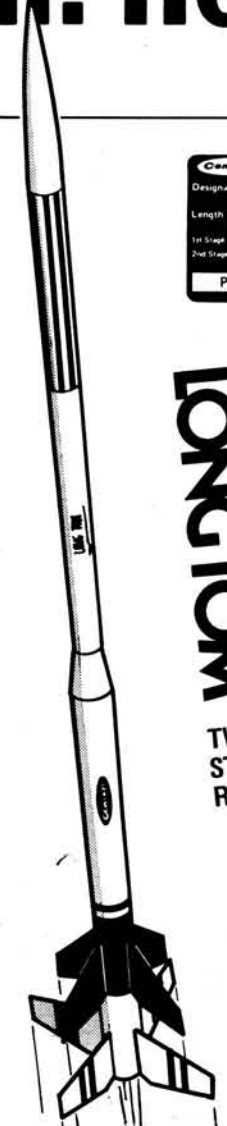
SPECIFICATIONS	
Designation	X-24 BUG
Length	7" Net Wt. 1 oz.
Recom. Engines	B4-2 C6-3 C6-0
Glide Recovery	

**X-24 BUG**

RE-ENTRY VEHICLE

Cat. No. KA-12  
**\$150**

- Unique Formed/Paper design
- Body and Wings detailed with three pre-painted colors
- Tech Report explains principle of Semi-Glide Recovery



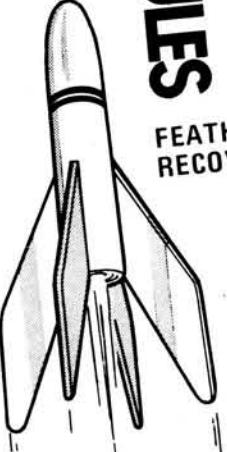
SPECIFICATIONS	
Designation	LONG TOM
Length	35.5" Net Wt. 3 oz.
1st Stage	A8-0 B6-0 B14-0 C6-0
2nd Stage	B4-4 B6-6 C6-7
Parachute Recovery	

**LONGTOM**

TWO STAGE ROCKET

Cat. No. KC-4  
**\$450**

- A Giant! Three feet tall!
- Sure "Passport" Staging action
- Baffle/Chute Ejection System
- Pre-cut Balsa Fins, Decals



SPECIFICATIONS	
Designation	LIL' HERCULES
Length	6.5" Net Wt. 0.3 oz.
Recom. Engines	1/2 A6-2 1/2 A6-4
Tumble Recovery	

**LIL' HERCULES**

FEATHERWEIGHT RECOVERY

Cat. No. KA-1  
**\$100**

- Gentle tumble recovery
- Includes special "Fin" weights to create tumbling effect.
- Super easy to build
- Sturdy pre-cut Balsa Fins



SPECIFICATIONS	
Designation	SST SHUTTLE
Length	22.5" Net Wt. 2.6 oz.
Recom. Engines	B4-2 C6-3
Glide & Chute Recovery	

**SST SHUTTLE**

ROCKET GLIDER SYSTEM

Cat. No. KC-17  
**\$495**

- Double-Action Recovery
- Glider separates in flight
- Almost two feet long
- Huge Decal Sheet
- "SST Concepts" Report



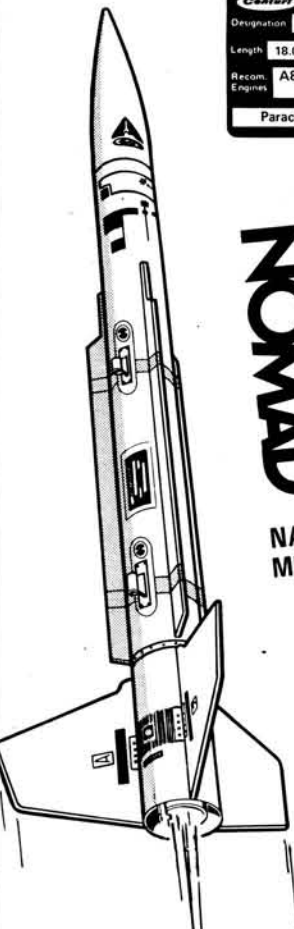
SPECIFICATIONS	
Designation	JAVELIN
Length	12.5" Net Wt. 0.6 oz.
Recom. Engines	1/2 A6-4 A8-5 B4-6 B6-6 B14-7 C6-7
Parachute Recovery	

**JAVELIN**

HIGH ALTITUDE PERFORMER

Cat. No. KC-31  
**\$195**

- Popular Beginner Kit
- Pre-cut Balsa Fins
- Colorful Custom Decals
- Flights to 1900 feet
- Quick-change Engine Lock



SPECIFICATIONS	
Designation	NOMAD
Length	18.0" Net Wt. 1.75 oz.
Recom. Engines	A8-3 B4-4 B6-4 C6-5
Parachute Recovery	

**NOMAD**


NAVAL MISSILE

Cat. No. KB-5  
**\$350**

- Navy Missile styling
- 1 1/2 feet tall
- Pre-cut Fibre Fins & Vanes
- Large, super detailed Decals
- Long Nose Cone & Chrome Trim

# 's 16 of our most popular birds!"

**Centuri**



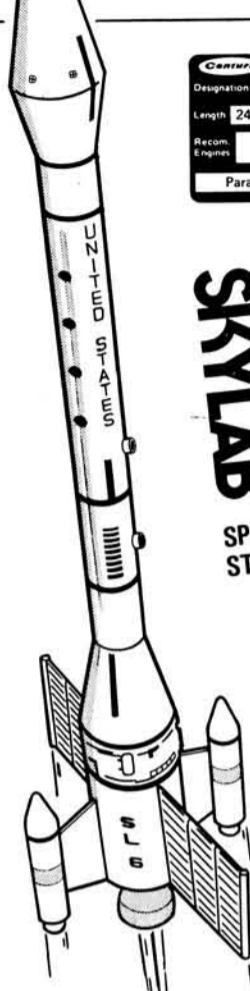
SPECIFICATIONS	
Designation	ASTRO-1
Length	16" Net. Wt. 1.1 oz.
Recom. Engines	1/2 A6-2 A8-3 B4-4 B6-4 B14-5 C6-5
Parachute Recovery	

## ASTRO-1

IDEAL BEGINNERS ROCKET

Cat. No. KB-17  
**\$250**

- Big Roll Pattern Decal
- Climbs nearly 1/4 mile
- Quick-change Engine Lock
- Excellent Starting Kit
- Big pre-cut Balsa Fins



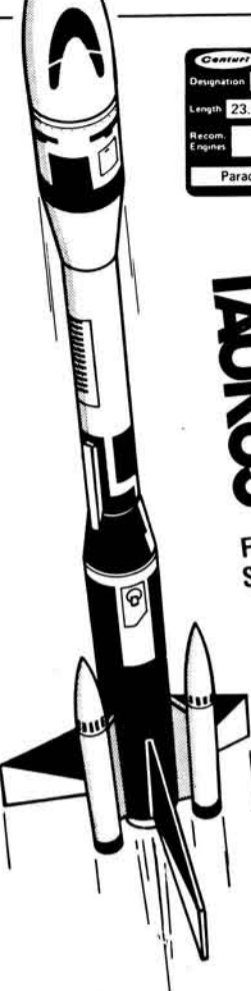
SPECIFICATIONS	
Designation	SKY-LAB
Length	24.5" Net. Wt. 3.4 oz.
Recom. Engines	B4-2 C6-3
Parachute Recovery	

## SKYLAB

SPACE STATION

Cat. No. KB-4  
**\$595**

- N.A.S.A. Space Station styling
- Over two feet long
- Embossed Chrome Solar Panels
- Detailed Plastic Nozzles, Cones
- Large Colorful Decal Sheet



SPECIFICATIONS	
Designation	TAURUS
Length	23.3" Net. Wt. 2.6 oz.
Recom. Engines	A8-3 B4-4 B6-4 C6-5
Parachute Recovery	

## TAURUS

FLEET SHIP

Cat. No. KB-3  
**\$350**

- Planetary Space Cruiser
- Large, massive looks
- Exotic Decal Markings
- Molded Nose Cones, Balsa Fins
- Custom painting tips



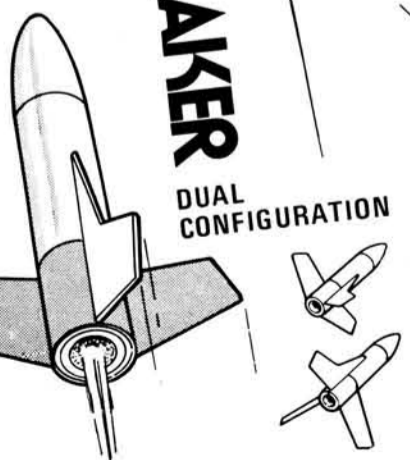
SPECIFICATIONS	
Designation	LASER-X
Length	21.5" Net. Wt. 1.75 oz.
Recom. Engines	A8-3 B14-5 B6-4 C6-5
Parachute Recovery	

## LASER-X

SPACE PROBE

Cat. No. KC-50  
**\$395**

- Futuristic looks
- Almost 2 feet tall
- Pre-cut Balsa Fins and Vanes
- Large 3 color Decal Sheet
- Realistic lift-offs



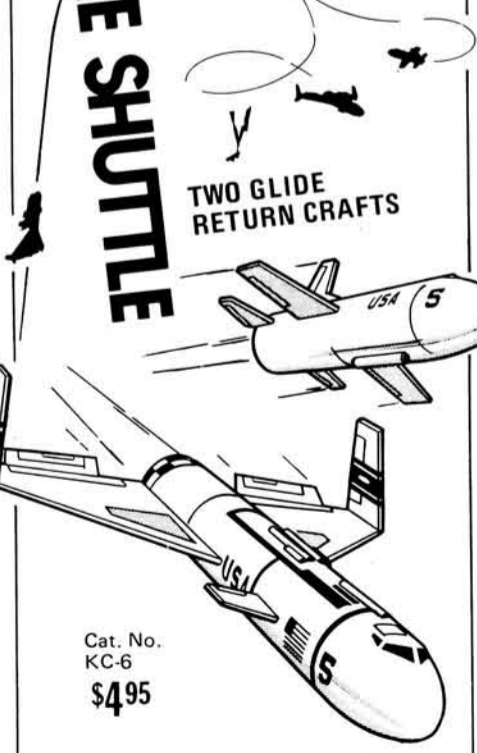
SPECIFICATIONS	
Designation	MOONRAKER
Length	5.5" Net. Wt. 0.3 oz.
Recom. Engines	1/2 A6-4 A8-5
Tumble Recovery	

## MOONRAKER

DUAL CONFIGURATION

Cat. No. KB-11  
**\$100**

- Sleek "Rakish" design
- Versatile Fibre Fins
- Simple to construct
- Both sections power separate and Gyro-Flutter to earth



SPECIFICATIONS	
Designation	SPACE SHUTTLE
Length	15" Net. Wt. 3.05 oz.
Recom. Engines	C6-3 only
Glide Recovery	

## SPACE SHUTTLE

TWO GLIDE RETURN CRAFTS

Cat. No. KC-6  
**\$495**

- Years ahead of its time
- Shuttle uses Power Deployment
- Large pre-cut Balsa Wings
- Molded Nose Cones and Cockpits
- Huge 3 color Decals




SPECIFICATIONS	
Designation	MICRON
Length	8.5" Net. Wt. 0.4 oz.
Recom. Engines	1/2 A6-4 A8-5 B4-6 B6-6 C6-7
Streamer Recovery	

## MICRON

EASY-TO-BUILD

Cat. No. KA-5  
**\$150**

- Flamproof Crepe Streamer
- Molded Nose Cone
- Unbelievable altitudes
- A tough, durable model
- Chute Wadding optional



SPECIFICATIONS	
Designation	STILETTO
Length	18.25" Net. Wt. 1.1 oz.
1st Stage	A8-0 B6-0 B14-0 C6-0
2nd Stage	A6-4 A8-5 B6-6 C6-7
Streamer Recovery	

## STILETTO

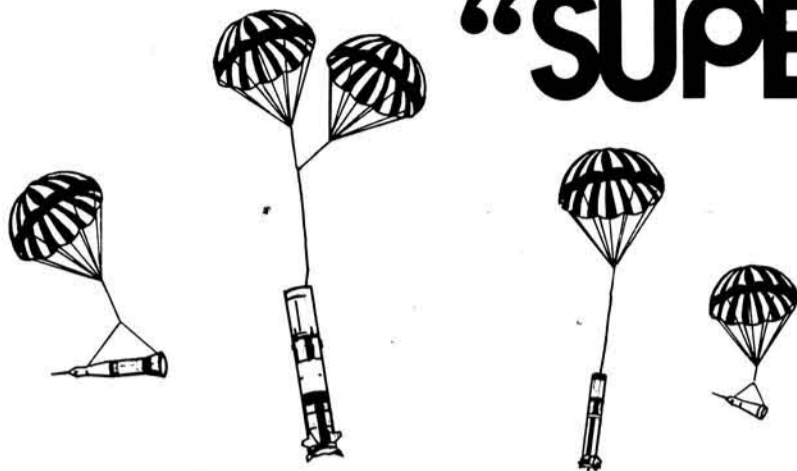
TWO STAGER

Cat. No. KB-1  
**\$250**

- High flights up to 2400 feet
- Dual Streamers for safe recovery
- "Passport" Staging reliability
- Custom Decals included
- Pre-cut Balsa Fins and Vanes

# Try the ultimate in realistic flying rockets...

## "SUPER-SCALE"



### THE SATURN SERIES...

These two Super Scale models are the world's most highly detailed and well engineered Saturn rocket kits. A few other rocket kits come close, but nothing can match these for authenticity and completeness!

#### EACH KIT INCLUDES:

- Detailed Body Panels
- Molded Apollo Capsule
- Accurate Apollo Tower
- Removable Display Nozzles
- All Parts Pre-Formed
- 4-Color Scale Decals
- Historical Brochure
- Clustering Tech Report
- Instruction Book

#### AMERICA'S MOON ROCKET

## SATURN V

3-ENGINE SHOW STOPPER!\*

Here is the famous Centuri Saturn V, accepted throughout the world as the flying replica of the rocket that takes Man to the Moon! Scaled from official NASA blueprints, this is the perfect kit for rocketeers experienced in scale and cluster powered models.

- Over 3½ Feet Tall
- Triple Chute Recovery
- Clear Stabilizing Fins

Catalog No. KS-12

**\$2495**

#### MOONSHOT FORERUNNER

## SATURN 1B

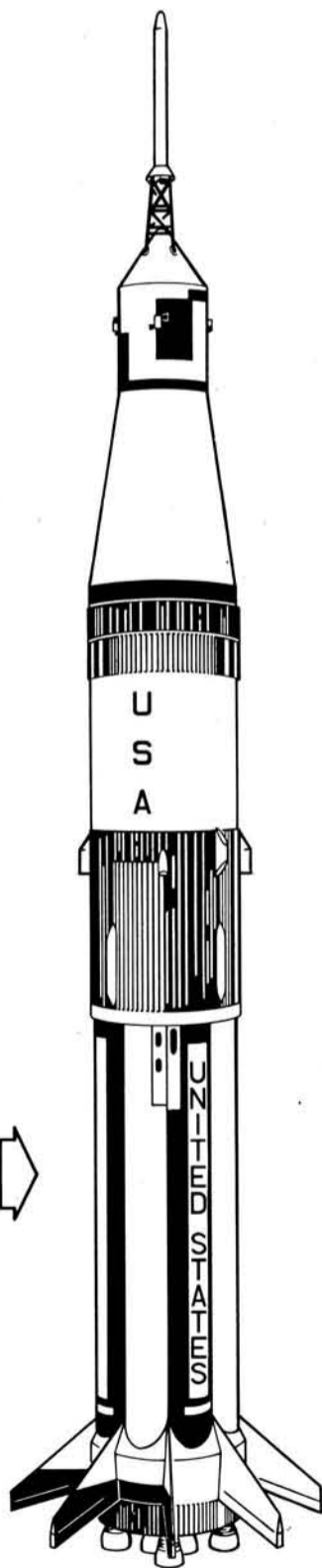
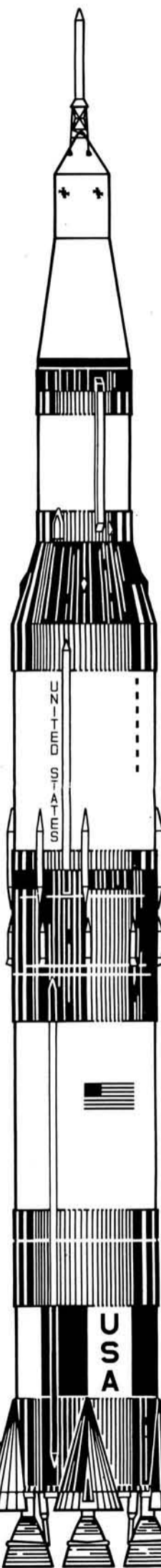
DUAL ENGINE POWER!\*

Richly detailed model of #SA-205, the first rocket to launch a manned Apollo mission. The Saturn 1-B is not a beginner's kit, but extreme care was taken in designing this kit so the average builder could turn out a museum quality model.

- Over 2 Feet Tall
- Dual Chute Recovery

Catalog No. KS-10

**\$1395**



Centuri SPECIFICATIONS	
Designation	SATURN V
Length	43.6" Net. Wt. 9.2 oz.
Recom. Engines	3-C6-3's
Parachute Recovery	

\*NOTE: We recommend a heavy-duty launch stand and 3/16" diameter rod for the Saturns and Little Joe II. See page 2, for "POWR-TOWER" and LR-188 Rod.

Centuri SPECIFICATIONS	
Designation	SATURN 1B
Length	26.8" Net. Wt. 4.4 oz.
Recom. Engines	2-B6-4's 2-C6-5's
Parachute Recovery	

### APOLLO TOWER TESTER

## LITTLE JOE II

TRIPLE ENGINE POWER!\*

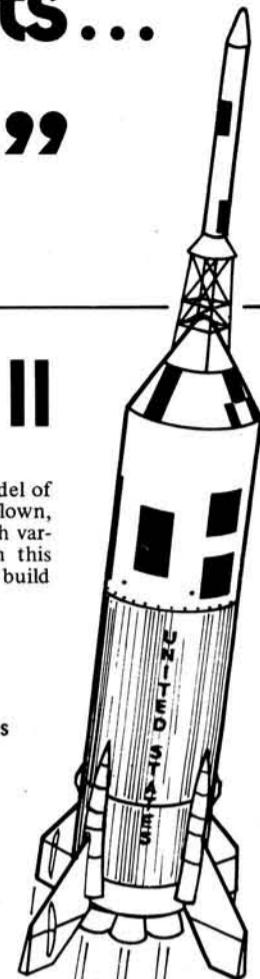
Here is a monster-sized super scale model of the last Little Joe test vehicle to be flown, NASA #CSM 002. The incredibly rich variety of exotic materials and parts in this handsome kit makes it much easier to build than it looks!

- Two Feet Long...and Fat!
- Dual Chute Recovery
- Chrome-Covered Body
- Removable Display Nozzles
- Historical Brochure

Centuri SPECIFICATIONS	
Designation	LITTLE JOE II
Length	23.4" Net. Wt. 5.5 oz.
Recom. Engines	3-B4-2's 3-B6-4's 3-C6-5's
Parachute Recovery	

Catalog No. KS-8

**\$1795**



#### ALAN SHEPARD'S

## MERCURY REDSTONE

SINGLE ENGINE POWER!

Unquestionably the finest, most accurately detailed flying model of the famous rocket that first carried an American into space. Includes an extremely well detailed Mercury capsule with all parts pre-formed.

- Nearly 2½ Feet Long
- Dual Chute Recovery
- Huge 3-Color Decal
- Historical Booklet

Centuri SPECIFICATIONS	
Designation	Mercury Redstone
Length	29" Net. Wt. 3.7 oz.
Recom. Engines	B4-2 C6-3
Parachute Recovery	

Catalog No. KS-1

**\$595**



Centuri SPECIFICATIONS	
Designation	NIKE SMOKE
Length	23.7" Net. Wt. 2.3 oz.
Recom. Engines	B4-2 C6-5
Parachute Recovery	

#### WEATHER RESEARCHER

## NIKE SMOKE

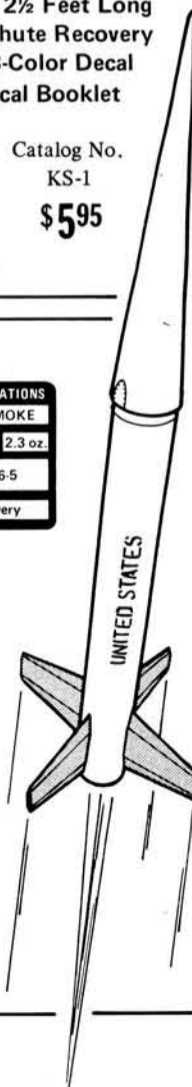
SINGLE ENGINE POWER!

This kit is an 1/10th scale model of the solid propellant rocketsonde used by NASA to measure wind velocities at altitudes up to 75,000 feet.

- 2 Feet Long...a Climber
- Large Single-Chute
- Huge Molded Cone, Plus Decals
- Easy Assembly, Plus Data Sheet

Catalog No. KS-15

**\$395**



# SPECIAL CHRISTMAS SALE!



## Limited Edition LIA-70 LAUNCHER

Just like our famous LIA-77 Tripod Launch Stand . . . but with a different deflector than shown in its instructions. Includes sturdy wooden legs, 36" rod, and all hardware. Supply your own controller . . . see below.

Only  
\$2.95

Catalog No.  
LIA-70



## "LECTRA-LINE 1" Launch Controller

Almost as versatile as our EFC-2 and the "Powr-Control". Includes check light and sturdy pre-assembled circuit. Great for LIA-70 Launcher! Use with any 6 V or 12 V lantern battery.

Reg. Price  
\$3.95

Now Only  
\$3.45

Catalog No.  
EFC-1



## SIX "1/2 A6-0" BOOSTER ENGINES

Here is the basic booster engine . . . can be used in nearly all staged kits! (Does not include igniters).

Original  
value to  
\$2.20

Six "1/2 A6-0"  
for only  
99¢



## GOODIE BOX Kits & Gadgets!

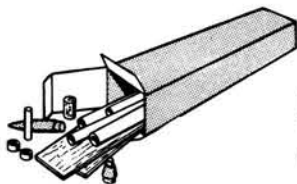
Chock full of perfectly fine rocket products we no longer have room for in our main line! Includes LIA-50 Launch Stand, old "Lil Herc" and "Point" kits, big launch lugs, 3 paper reducer kits, 4 rolls masking tape, tweezers, clear plastic body tubes, fin patterns, and much, much more!

\$15 value

Yours for  
\$4.95

Cat. No.  
SP-20

ANY TWO BOXES  
FOR ONLY \$8.95



## BARGAIN BOX Rocket Parts Galore!

Highly usable "seconds" with slight defects. Includes many body tubes, balsa cones & Sheets, decals, chutes and loads of other parts . . . you won't be disappointed!

\$15 value

Yours for  
\$4.95

Cat. No.  
SP-10

## Friendly reminders for Christmas

Here's your chance to let family and friends know exactly what you would like getting on that famous December morning. Maybe this year you won't have to grind out thank-you notes for all those disgusting practical gifts, like ties and shirts.

**DON'T READ THIS!**  
UNLESS YOU WANT TO KNOW MY HEARTS DESIRE . . .

**Centuri**  
AND YOU COULD MAKE THIS A MODEL ROCKET CHRISTMAS

Put this friendly reminder where it will be surely seen.

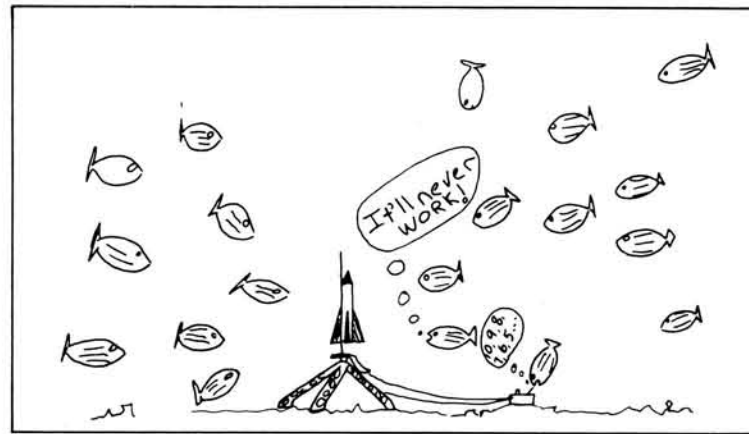
**IGNITION**  
IS THE LAST WORD IN THE COUNTDOWN TO US HAVING FUN ON CHRISTMAS WITH

**Centuri**  
MODEL ROCKET GOODIES.

Hang this friendly reminder around the car ignition key.

**TRAFFIC TICKET**  
BUT YOU ARE HEREBY REQUESTED TO APPEAR *at our house* ON THE DATE OF *December 25* WITH EVIDENCE OF **Centuri** MODEL ROCKET STUFF. SHOULD YOU FAIL TO APPEAR, YOU WILL MISS OUT ON LOTS OF FUN FOR US ALL.

Place this friendly reminder under car windshield wiper.



## CARTOON CONTEST

CONTEST PRIZE WORTH \$4.50



Each issue, we will pick the one most suitable for publication, just like we did below. This issue we chose one sent in by:

PETER GRAVES

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".

of Palos Verdes Estates, California. No, he's probably not the Peter Graves from "Mission Impossible"! But his underwater project looks like an impossible mission!

## NEWS FLASHES

**TILTER BONUS . . .** The Powr-Pad Tilting accessory is now included with every Powr-Pad! Formerly an optional item, this launch rod angle-adjuster now comes with Big Shot and Eagle Power outfits, as well as the basic Powr-Pad.

1. Membership card for wallet
2. Certificate for wall
3. I.D. Sticker
4. Rocket Design Manual
5. Iron-On Shirt Insignia
6. Giant "Team" decal sheet
7. PLUS, you get on our mailing list to receive future issues of "Rocket Times" . . .

**R. & D. CONTEST . . .** Things are really jumping in the Special design contest announced last issue! We'll judge entries after the deadline of October 31, 1974. See the winner's names next issue!

**NEW TRIPOD . . .** Have you seen our new "Power-Tower" launch stand? . . . (see page 2) This versatile product replaces our old LIA-77 and LIA-100 wooden tripods . . . and costs less.

**READY FOR XMAS? . . .** Do you have a friend who would like model rocket stuff for Christmas? You say you don't know what to get? Well, grab your pen, True Believer . . . Centuri comes to the rescue again! You can give a present right from the comfort of your own home, with a Centuri Gift Certificate! Just fill out the special part of the order blank, show how much you want to give, send us the money, and we'll send your friend a handsome Gift Certificate and catalog in your name!

## ROSES ARE RED

VIOLETS ARE BLUE  
IF WE CAN WRITE POETRY,  
THEN SO CAN YOU!

GARY RUIZ of Los Gatos, California sent us the poem below, just for the fun of it . . . and so we present it here, for your erudite identification . . . or whatever!

**KEEP 'EM FLYING . . .** In case you haven't heard, the Centuri Aerospace Team is the "only way to fly!" You can join the oldest existing rocket club offered by any manufacturer . . . For only 50¢ you get all this:

*I shot my rocket into space.  
It fell to earth someplace.  
I was aiming for the moon;  
China claims I hit Kowloon*

*Chou-En-Lai is hopping mad;  
it seems my aim was very bad.  
All my rocket expertise  
Now belongs to the Chinese!*

## PARACHUTES

Easy kits for bright 2-color parachutes!



COMPLETE WITH -



CLEAR INSTRUCTIONS

Cat. No.	Diameter	Price
CP-12	12"	50¢
CP-16	16"	60¢
CP-20	20"	70¢
CP-24	24"	85¢

## CHUTE WADDING

TWO KINDS! TAKE YOUR PICK!

### COTTON TYPE

Flame-resistant and soft! Also recommended for Rocket diameters above 2 inches, enough for 20 flights in #7 rockets.

Cat. No. PW-19 75¢

### CREPE-TYPE:

(Note illustration)  
More flame-resistant. All-purpose, easy to use; Just count number of sheets. Enough for 25 #7 rockets.

Cat. No. SPW-19 65¢

## DECALS

Big! Average 4" x 9" size!

Military Insignia DC-3 75¢

Missile Markings DC-4 75¢

U.S. Flags DC-35 75¢

Centuri Emblems M-314 50¢

Roll Patterns (Red or Black)

DC-30 #7 sizes 35¢ ea.  
DC-32 #8 sizes  
DC-31 #10 sizes

Many Colors



## ASSORTMENTS

Complete sets of famous Centuri Custom Parts . . . Tubes, cones, chutes, fins, lugs, shock cords, etc . . . The works! Includes manual to help you design your own "Birds"

### BEGINNER'S SPECIAL

Parts for 6 basic, medium size rockets.  
Cat. No. SPA-4 \$7.95

### DESIGNER'S SPECIAL

Parts for 8 bigger, more challenging designs.  
Cat. No. SPA-8 \$12.95

## TECH REPORTS

For rocketeers who want to really get into finding out what's going on. Richly illustrated & detailed.

LIFTING-BODY PRINCIPLES  
TIR-24 2 pg. 15¢

STABILITY OF A MODEL ROCKET IN FLIGHT  
TIR-30 20 pg. 75¢

RELIABLE CLUSTERING  
TIR-52 8 pg. 35¢

ALTITUDE PERFORMANCE  
TIR-100 56 pg. \$1.00

MULTI-STAGING  
TIR-123 2 pg. 15¢



ORDER BLANK

FILL OUT CAREFULLY!

ROCKET TIMES No. 4

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



# FLYING MODEL ROCKET ENGINES

SHIP TO: *Please print name and address clearly*

Name \_\_\_\_\_ Age \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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

*Is this your first order to Centuri?*  
Yes  No

*Have you ordered within the last year?*  
Yes  No

Catalog No.	How Many	DESCRIPTION	PRICE ea. pkg. etc.	TOTAL

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	<b>IF YOUR ORDER IS</b> Up to \$3.00 add 50¢ for handling \$3.01 to \$4.00 add 40¢ for handling \$4.01 to \$5.00 add 30¢ for handling \$5.01 and over no handling charge.	Prices subject to change without notice. Amount for Handling _____
	Centuri pays the postage to ship your order by regular Surface Parcel Post.	Additional amount for Air Mail see rate chart in catalog.
	TOTAL AMOUNT ENCLOSED _____	

## SON OF FREEBIE

MY "TOTAL FOR MERCHANDISE" IS: — CIRCLE ONE —

\$7.50 or more	\$12.50 or more	\$20 or more	\$30 or more
(Check one) <input type="checkbox"/> Satellite OR: <input type="checkbox"/> IG-12 Plus Decal	(Check one) <input type="checkbox"/> 4 Mini-Motors OR: <input type="checkbox"/> Flutter-By	(Check one) <input type="checkbox"/> Excalibur-2 OR: <input type="checkbox"/> LIA-50	(Check one) <input type="checkbox"/> 12"C" Engines OR: <input type="checkbox"/> Quasar & Arcon-Hi

### SPECIFICATIONS AND PRICES

Catalog Number & Type	PRICES	Average Thrust	Delay Time	Recom. Max. lift-off wt.
	3 FOR *	Ounces	±15% seconds	(with engines) ounces

½A6-2	\$1.25	22.40	2	2.5
A8-3	\$1.35	28.00	3	4.0
B4-2	\$1.45	14.93	2	4.5
B4-4	\$1.45	14.93	4	4.5
B6-4	\$1.45	21.59	4	5.0
B14-5	\$1.65	51.20	5	6.5
C6-3	\$1.65	21.08	3	5.5
C6-5	\$1.65	21.08	5	5.5

½A6-4	\$1.25	22.40	4	1.0
A8-5	\$1.35	28.00	5	2.0
B4-6	\$1.45	14.93	6	2.5
B6-6	\$1.45	21.59	6	3.0
B14-7	\$1.65	51.20	7	4.0
C6-7	\$1.65	21.08	7	3.5

A8-0	\$1.35	28.00	0	4.0
B6-0	\$1.45	21.59	0	5.5
B14-0	\$1.65	51.20	0	7.5
C6-0	\$1.65	21.08	0	6.0

### ESTIMATED MAXIMUM ALTITUDE IN FEET

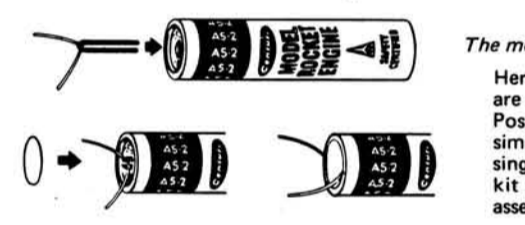
Catalog No. & Type	LARGEST TUBE DIAMETER OF MODEL					
	#7	#8	#10	#13	#16	#20

½A6-2	200	150	100	N/A	N/A	N/A
A8-3	500	450	300	100	N/A	N/A
B4-2	N/A	N/A	450	350	250	150
B4-4	800	700	500	400	300	200
B6-4	750	650	450	350	250	150
B14-5	900	700	450	300	150	N/A
C6-3	N/A	N/A	950	700	550	400
C6-5	2000	1600	1300	1000	800	500

½A6-4	350	250	100	N/A	N/A	N/A
A8-5	650	550	400	200	N/A	N/A
B4-6	1200	1000	800	500	250	N/A
B6-6*	1200	900	600	350	N/A	N/A
B14-7*	1400	1000	600	250	N/A	N/A
C6-7	2400	1900	1500	1100	850	N/A

\*Engines sold in 3-packs only

\*Recommended for rockets heavier than normal.



**"SURE-SHOT DOT"® IGNITERS**  
The most reliable engine igniter! For both single and clustered engines!  
Here's something you always need plenty of! Centuri Sure-Shots are universally accepted as the ultimate in model rocket igniters. Positive engine ignition every time. Solves the problem of simultaneous ignition of clustered engines. Also perfect for single-stage flights. Use with all engines on this page. Comes in kit form — assembled in seconds. Complete instructions for assembly and use. *Catalog No. IG-12 12 for 75¢*

P.O. Box. 1988, Phoenix, Arizona 85001

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ARIZ.**

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832 E. NEW YORK AVE  
DELAND FL 32720

If you have a copy of our last mail-order catalog (#73) then you've probably seen the "Freebie" bonus offer on the back cover.

The "Freebie" bonus offers were so popular that we now have a new one . . . "Son of Freebie!" Kind of like "Frankenstein . . . Son of Frankenstein".

Mark the appropriate square above to receive a free Bonus, if order is large enough. You may group them. Example: A \$20.00 order qualifies for one \$20.00 type bonus . . . or for a \$7.50 plus a \$12.50 type bonus!

*This offer voids all previous offers and expires January 31, 1975.*

<p><b>IF YOUR ORDER IS \$750 (OR MORE)</b> YOU MAY CHOOSE YOUR <b>FREE</b> </p> <p>SATELLITE 62SL Mini Kit</p> <p><b>\$1.00 VALUE</b></p> <p>OR </p> <p>Pack of IG-12 "SURE-SHOT" Igniters</p> <p>Plus a big "MYSTERY" DECAL</p>	<p><b>IF YOUR ORDER IS \$1250 (OR MORE)</b> YOU MAY CHOOSE YOUR <b>FREE</b> </p> <p>Box of 4 MINI-MOTORS (our choice) Plus Igniters</p> <p><b>\$1.50 VALUE</b></p> <p>OR </p> <p>FLUTTER-BY Rocket Kit . . . With Gyro Spin Recovery</p>	<p><b>IF YOUR ORDER IS \$2000 (OR MORE)</b> YOU MAY CHOOSE YOUR <b>FREE</b> </p> <p>EXCALIBUR-2 Two-Stage Rocket Kit</p> <p><b>\$3.00 VALUE</b></p> <p>OR </p> <p>LIA-50 Launch Stand with Micro-Clips</p>	<p><b>IF YOUR ORDER IS \$3000 (OR MORE)</b> YOU MAY CHOOSE YOUR <b>FREE</b> </p> <p>12 "C" POWER ENGINES (our choice) Plus Igniters</p> <p><b>\$7.00 VALUE</b></p> <p>OR </p> <p>QUASAR &amp; ARCON-HI Rocket Kits</p>
BONUS OFFERS REDEEMABLE ONLY AT CENTURI. PLEASE DON'T INCLUDE OTHER BONUS OFFERS WITH THIS ONE!			