



P.O. BOX 400, PHOENIX, ARIZONA, 85001

A SUBSIDIARY OF CENTURI ENGINEERING CO.

June, 1974

Dear Enerjet Rocketeer:

You are one of a select group receiving this Special Edition Enerjet Catalog.

Enerjet Incorporated was founded four years ago to produce the world's most powerful and sophisticated model rocket motors. The Enerjet reputation for high-performance has grown steadily over the years. Today, Enerjet motors are widely acclaimed and used in altitude contests, research projects and industrial applications. A small, but very enthusiastic group of advanced rocketeers continues to support the Enerjet concept.

Present plans call for our de-emphasizing the Enerjet program because of material shortages and economic considerations. We had built up sizeable stock of most Enerjet items, just prior to our "phasing down". Though production is halted for the foreseeable future, we are still selling products direct from the factory by mail.

Experienced rocketeers who know of Enerjet's track record are eagerly purchasing the available products. By acting now you can assure yourself a supply of what soon may become collector's items.

Sincerely

Lee Piester,  
President

P.S.

For a limited time you may take a \$1.00 savings on these Enerjet kits, if you ask for it:

EGG CRATE	WAS: \$ 6.95	NOW: \$ 5.95
ATHENA	WAS: \$11.95	NOW: \$10.95
PTERODACTYL	WAS: \$ 3.95	NOW: \$ 2.95

Simply write the special sale price in on your order blank.

EP-86

# ENERJET<sup>®</sup>

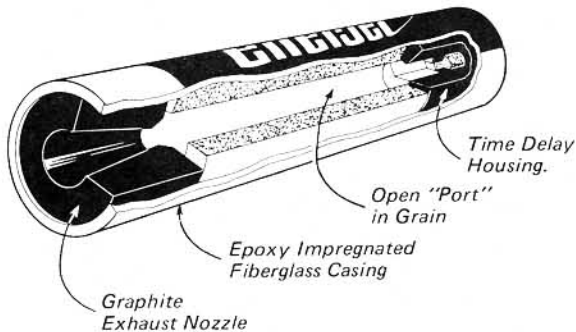
## ADVANCED MODEL ROCKETRY PRODUCTS



We are proud to present the ultimate in Model Rocketry Experience, and express our confidence in the skill and maturity of America's Advanced Rocketeers. Enerjets are recommended only for older Rocketeers, who have already gained experience by building and flying rockets with standard-power engines (¼A, ½A, A, B, C, & D).

Some products are shown at special "Sweep-Up" sale prices, because of overstocked warehouses. Yet, other products are shown in limited supply. Take advantage of these bargains, while you can! First come, first served!

**NOW YOU CAN LAUNCH  
YOUR MODEL ROCKETS  
WITH THE MOST POWERFUL  
MOTORS EVER BUILT!!**

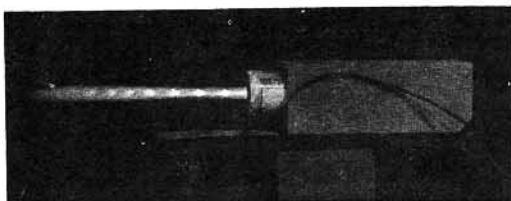


Special composite propellant with high specific impulse packs two and one half times more power into each ounce of fuel.

Combustion begins on forward interior of the ported propellant, and consumes fuel out toward the reinforced casing wall. As shown in these charts, thrust jumps instantly for a quick lift-off, tapers off somewhat, then gains power continually until burn out.

The built-in time delay allows the rocket to coast to peak altitude. Before the ejection charge activities the recovery system.

EXTRA IGNITERS: Fit "E" & "F" Motors  
 Cat. No. EIG-3 3 for 50¢

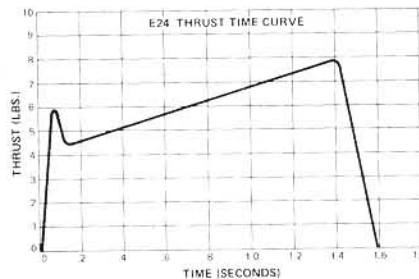


"Mach diamonds" are clearly visible in this photo of a night-time static flight.



### E24 SERIES

The high impulse Enerjet fuel makes these motors real performers. E24's are ideal for boosting gliders, medium sized experimental rockets and for general sport flying. You will be astonished by the power these motors deliver. NAR safety and contest certified.



#### SPECIFICATIONS:

TOTAL IMPULSE	Lb-sec	8.96
	N-sec	40
AVERAGE THRUST	Pounds	5.4
	Newtons	24
THRUST DURATION	Seconds	1.6
MAXIMUM THRUST	Pounds	7.6
	Newtons	33.8
INITIAL WEIGHT	Ounces	2.5
	Grams	74
PROPELLANT WEIGHT	Pounds	.048
	Grams	21.8

RECOMMENDED MAX. LIFTOFF WT. (with engines)	DELAY
E24-4	11 oz. 4 sec.
E24-7	9 oz. 7 sec.
E24-10	7 oz. 10 sec.

DIMENSIONS 1.125" Dia. (28.6mm) x 3.0" Lg. (76.2mm)

Catalog No. E24\* \$4.00  
 Shipping Wt. 12 oz.

Igniter and operating instructions included.

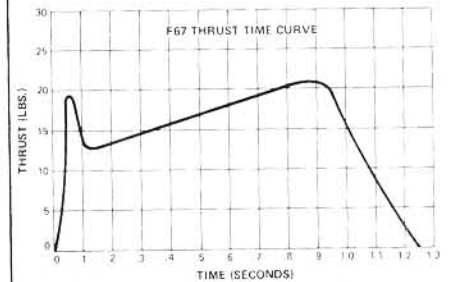
\*Specify time delay required  
 ie. E24-4, E24-7, or E24-10

**SWEEP-UP  
SPECIAL:  
2 FOR \$7.50**



### F67 SERIES

The ultimate in Enerjet power: even the largest models lift-off with a crackling roar and flash out of sight on a brilliant point of light. These motors are ideal for lifting large models of your own design and extra-heavy payloads. NAR safety and contest certified.



#### SPECIFICATIONS:

TOTAL IMPULSE	Lb-sec	17.9
	N-sec	80
AVERAGE THRUST	Pounds	15.1
	Newtons	67
THRUST DURATION	Seconds	1.2
MAXIMUM THRUST	Pounds	21.6
	Newtons	96.1
INITIAL WEIGHT	Ounces	4.0
	Grams	112
PROPELLANT WEIGHT	Pounds	.095
	Grams	43.0

RECOMMENDED MAX. LIFT-OFF WT. (with engines)	DELAY
F67-6	16 oz. 6 sec.

NOTE: Not suitable for use with Enerjet kits, except when boosting the Pterodactyl glider.

DIMENSIONS 1.125" Dia. (28.6mm) x 5.0" Lg. (127mm)

Catalog No. F67 \$8.00  
 Shipping Wt. 16 oz.

Igniter and operating instructions included.

THE FOLLOWING ENERJET MOTOR TYPES ARE NO LONGER AVAILABLE FROM THE FACTORY: F52-5, F52-8, F52-12, F67-9, F67-14.

# NIKE RAM

HI-PERFORMANCE PAYLOADER



LIMITED SUPPLY!

Lightweight, but sturdy. Designed for extremely high altitude flights. Large drogue streamer allows recovery near the launch site. Use 1 or 2 ounce payload for weight optimization and best flying.

## NIKE RAM KIT FEATURES

- Die-cut balsa fins
- High visibility chrome band
- Complete decal sheet
- Large payload capsule
- Molded plastic cone

## SPECIFICATIONS

Length ..... 23.2"  
 Diameter ..... 1.34"  
 Net Weight ..... 3.1 oz.  
 Capsule Volume ..... 9.36 cu. in.  
 Maximum Speed ..... Mach 0.92

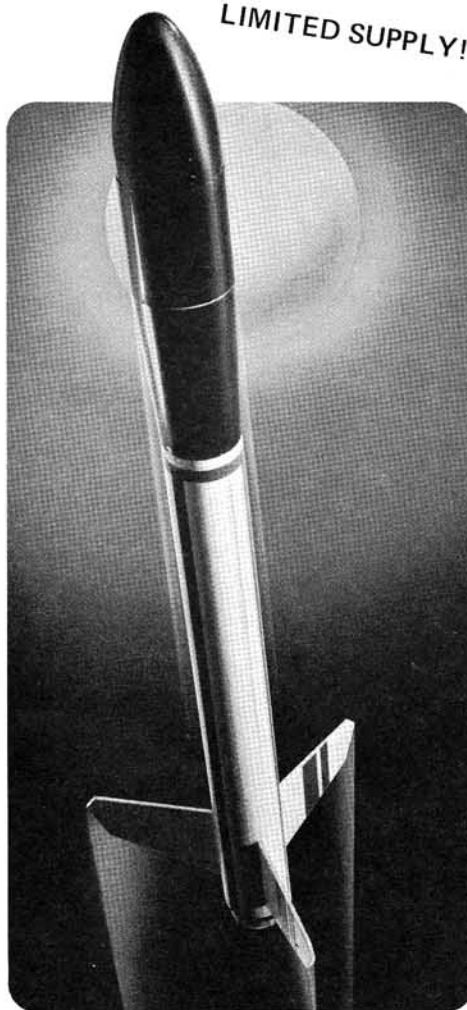
**\$ 4.95**

(Engines & launcher not included.)

Catalog No. KE-1	Recommended Enerjet Motor	Approx. Altitude
Shipping Wt. 1 lb.	E24-10	

# EGG CRATE

COMPETITION EGG LOFTER



LIMITED SUPPLY!

Created especially for N.A.R. Egg Lofting contests. The huge capsule is designed to be easily extended for larger payloads. Includes rugged silk chute, sized for rapid recovery.

## EGG CRATE KIT FEATURES

- Die-cut balsa fins
- Molded 2-piece capsule
- Special "air suspension" egg cushions
- Decal sheet
- Efficient low-drag design
- Contest winning performance

## SPECIFICATIONS

Length ..... 21.5"  
 Diameter ..... 1.34"  
 Net Weight ..... 4.0 oz.  
 Capsule Diameter ..... 2.0"

**\$ 6.95**

(Engines & launcher not included.)

Catalog No. KE-4	Recommended Enerjet Motor	Approx. Altitude
Shipping Wt. 1 lb.	E24-7	2100 ft.

# NIKE SMOKE

AIRSTREAM SOUNDING ROCKET



LIMITED SUPPLY!

Ram-air pressure pumps a fine powder (PDR-17 see back page) into the moving airstream. Produces a billowing contrail behind the rocket as it climbs. Semi-scale model simulates actual NASA experiments.

## NIKE SMOKE KIT FEATURES

- Die-cut balsa fins
- One-piece molded cone
- Complete decals
- Operating "smoke" system
- Rugged silk parachute

## SPECIFICATIONS

Length ..... 20.6"  
 Diameter ..... 1.64"  
 Net Weight ..... 3.0 oz.  
 Maximum Altitude ..... 2100 ft.

**\$ 6.95**

(Engines, powder & launcher not included.)

Catalog No. KE-3	Recommended Enerjet Motor	Approx. Altitude
Shipping Wt. 1 lb.	E24-7	2100 ft.



**SPECIAL BONUS! EACH ROCKET KIT ALSO INCLUDES "E" ENGINE SPACER, C**

# ATHENA

HIGH ALTITUDE "DEMO" ROCKET



Gives you massive good looks, and the largest Enerjet payload capacity in one spectacular kit. Highly detailed wrappers, huge decal sheet, and extra large silk chute combined for a crowd-pleasing performance.

## ATHENA KIT FEATURES

- Die-cut balsa fins
- Big molded cone
- Detailed body wrappers
- "Strap-on" pods
- High volume payload capsule

## SPECIFICATIONS

Length .....	33.5"
Diameter .....	1.64"
Capsule Diameter .....	2.0"
Capsule Volume .....	31.4 cu. in.
Net Weight .....	6.5 oz.

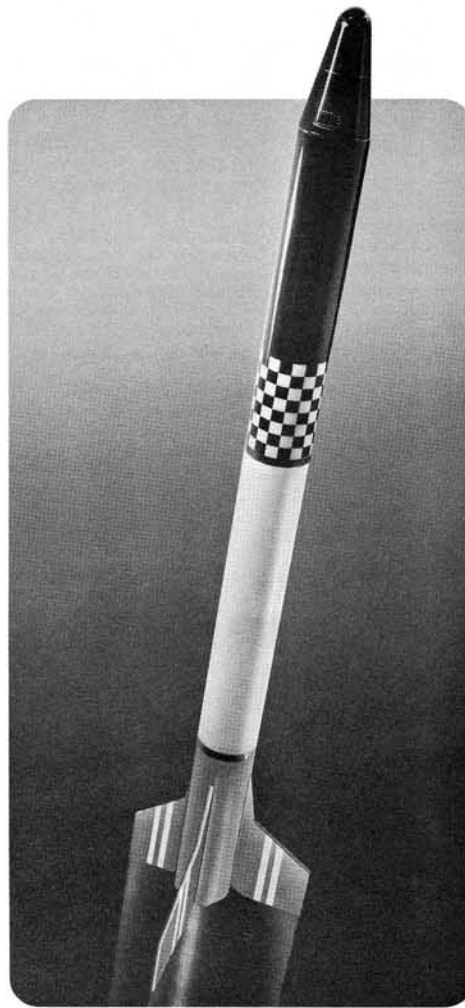
**\$ 11.95**

(Engines & launcher not included.)

Catalog No. KE-5	Recommended Enerjet Motor	Approx. Altitude
Shipping Wt. 2 lb.	<b>E24-7</b>	<b>1600 ft.</b>

# AERO-DART

HEAVY-DUTY PAYLOAD CARRIER



Huge payload capsule has room for your instrumentation . . . or go for higher altitudes, flying empty. Extra-thick fins and large cloth chute make this rugged vehicle highly durable. Includes two decal sheets.

## AERO-DART KIT FEATURES

- Die-cut heavy duty balsa fins
- Molded nose cone
- Baffle ejection system (no chute wadding needed)
- Rugged silk parachute
- High-volume payload capsule

## SPECIFICATIONS

Length .....	33.0"
Diameter .....	2.0"
Net Weight .....	6.5 oz.
Payload Volume .....	24.5 cu. in.

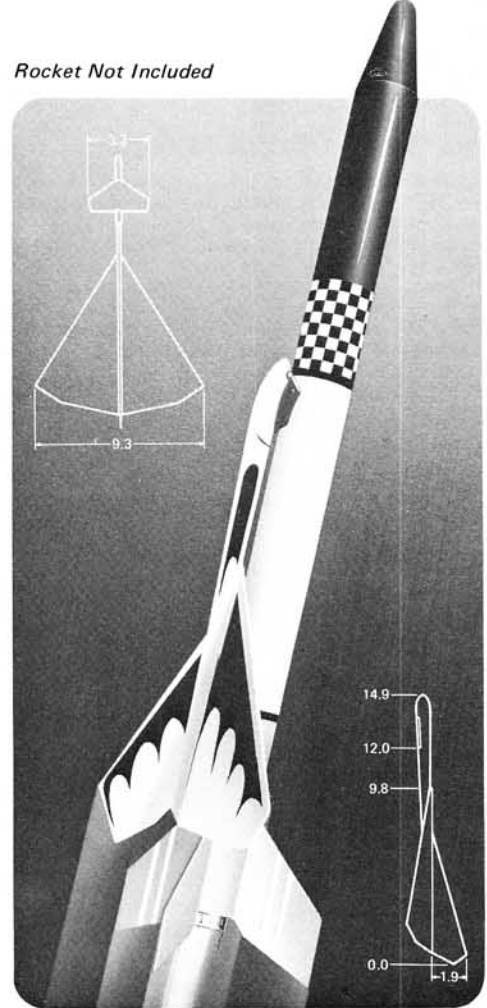
(Engines & launcher not included.)

**\$ 10.95**

Catalog No. KE-2	Recommended Enerjet Motor	Approx. Altitude
Shipping Wt. 2 lb.	<b>E24-7</b> <b>E24-4</b> (Heavy Payload)	<b>1800 ft.</b> <b>1200 ft.</b>

# PTERODACTYL

EAGLE/CONDOR BOOST GLIDER



Engineered for official N.A.R. Eagle/Condor Boost-Glide duration contests . . . or just-for-fun gliding. Rugged, beefed-up design withstands high speed lift offs that could shatter another glider. Aerodart (or large rocket of your own design) is the recommended booster.

## PTERODACTYL KIT FEATURES

- Silk span reinforcing material for wings
- Two mounting systems provided in kit
- High performance design
- Clay trim weight material included
- Heavy duty balsa construction.

## SPECIFICATIONS

Glider Length .....	14.9"
Wing Span .....	9"
Glider Weight .....	1.6oz.

(Engines and rocket booster not included)

**\$ 3.95**

Catalog No KE-6	Recommended Enerjet Motor
Shipping Wt. 1 lb.	<b>E24-4</b> } With Large Carrier <b>F67-6</b> }



## LAUNCHING ENERJET-POWERED ROCKETS

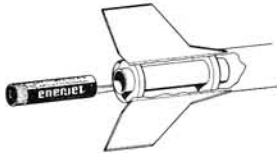
A sturdy launch system is required for best performance and safety. A 3/16" diameter launch rod on a Tripod Launch Pad gives the rigidity needed to assure a steady lift-off. We recommend using these Centuri products.

CAT. NO.	NAME	PRICE
3502	"Power-Tower" Launch Stand	\$3.95
I.R-188	Heavy-Duty 3/16" Diam. Launch Rod	1.25
EFC-3	"Powr-Control" Launch Controller	3.95

## BUILD ORIGINAL ROCKET DESIGNS

We encourage you to build your own rocket designs for Enerjet Power, IF you already have a good deal of experience with own-designs of the smaller standard rockets. The Enerjet engine mounts are designed to fit the standard body tube sizes of #13, #16, and #20, sold by Centuri Engineering Company. Use one of the engine mounts shown below, with parts chosen from the vast Centuri array to create your own Enerjet "Birds". In your designs remember to allow for the Enerjet motor being much heavier and more powerful than standard model rocket engines. For your free Centuri catalog write to:

Centuri Engineering Co.  
Dept. E-741  
Box 1988  
Phoenix, Arizona 85001



### ENGINE MOUNTS

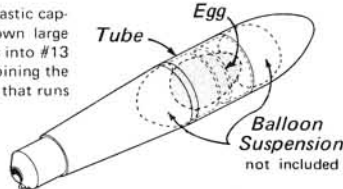
Engine mounts center and firmly hold Enerjet motors in the rocket airframe. Includes engine tube, centering rings, thrust ring and detailed installation instructions.

EMA-5 Spacer required for "E" motors

EEM-13	75¢	
EEM-16	85¢	
EEM-20	95¢	
EMA-5	30¢	

**EGG CAPSULE** Large molded lightweight plastic capsule ideal for Egg-Lofting, or create your own large payload section. 2" maximum diameter; fits into #13 Centuri body tube. Includes #20 tube for joining the capsule sections (you cut apart along groove that runs around the middle).

PNC-13E Capsule & Tube \$1.95



**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, Yellow, Green, Red, Pink, Thinner. Specify color. Shipping Weight 4 oz.

FP-50 1 oz. bottle WAS 35¢ NOW 29¢

### MYLAR LAUNCHING LUGS

Fantastic lightweight lugs 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. 0.200" 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¢



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 SILRAY 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.

SILK PARACHUTES



PS-24	24"	Red, White & Black	10 oz	1.3 oz	4 oz	\$3.95
PS-30	30"	Red, White & Black	14 oz	2.8 oz	6 oz	\$4.95
PS-40	40"	Red, White & Black	24 oz	3.3 oz	8 oz	\$7.50

**STREAMER MATERIAL** Ideal for recovering extremely high altitude birds. Allows rocket to descend nearer to the launch site than with a chute. Creped 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¢



**CHUTE WADDING** Lightweight flameproof cotton which protects parachutes or streamers from the engine's hot gases. Push between engine and chute. Directions included. Enough for up to 8 flights. Shipping Weight 6 oz.

PW-19 Large Package 50¢



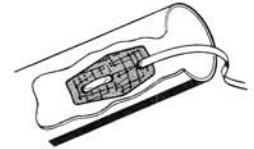
**PARACHUTE POWDER** Fine powder, sprinkled on parachute during folding acts as lubricant to help chute out of body tube. Also creates dust cloud when chute opens to aid in tracking. Chute powder is also useful in the Nike Smoke nose cone. Shipping weight 6 ozs.

PDR-17 2 oz. shaker can 75¢



**SHOCK CORD FASTENERS** Large 2" x 2-1/2" fasteners anchor the shock cord easily and permanently into #13 or larger body tubes. These extremely high strength, heat-resistant fasteners have a pressure-sensitive backing which simplifies attachment to the inside of the body tube. Shipping Weight 5 oz.

SCF-2 Package of 3 30¢



**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 shroud 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 FIN CUT OUTS

Actual fin outline printed right on top grade balsa sheets. Excellent for Enerjet rockets using #13 thru #20 series body tubes. Sheet size 3/16" x 4" x 18". Ship Wt. 12 ozs each.

BFC-9 1 sheet - 4 medium fins WAS 65¢ NOW 45¢

BFC-13 2 sheets - 4 large & 4 medium fins WAS \$1.00 NOW 75¢



### FIN REINFORCING MATERIAL

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

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



The National Association of Rocketry (NAR) is a non-profit organization of model rocketeers. Independent of manufacturers, the NAR promotes model rocket safety, sanctions contests, certifies world records, provides inexpensive flying insurance and publishes literature. For information, write to: National Association of Rocketry, P.O. Box 178, McLean, Virginia 22101.

