

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

June, 1974

### Dear Enerjet Rocketeer:

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

Energiet Incorporated was founded four years ago to produce the world's most powerful and sophisticated model rocket motors. The Energiet reputation for high-performance has grown steadily over the years. Today, Energiet 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 Energiet 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 forseeable 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.



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.

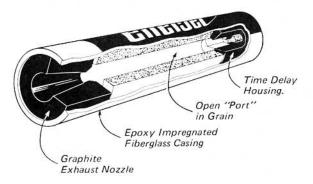


### ADVANCED MODEL ROCKETRY PRODUCTS

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!!

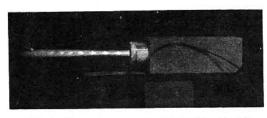


Special composite propellant with high specific impulse packs two and one half times more power into each ounce of fuel.

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¢

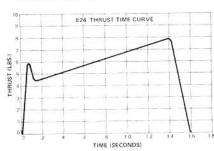


"Mach diamonds" are clearly visible in this photo of a night-time static flight.



### **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 THRUS'	Pounds 5.4
	Newtons 24
THRUST DURATION	
MAXIMUM THRUST	Pounds 7.6
	Newtons 33.8
INITIAL WEIGHT	Ounces 2.5
	Grams
PROPELLANT WEIG	HT Pounds
	Grams 21.8

RECOMMENDED MAX	. LIF	TOF	F	٧	٧ī	(5	NI	11	, ,	n	gi	ne	85	1		DE	LAY	Ċ
E24-4	11	oz.					٠				÷			2		4	sec	į
E24-7	9	oz.														7	sec	
E24-10	7	oz.	+		2		÷							,		10	sec	

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

Catalog No. E24 \* \$4.00

Shipping Wt. 12 oz.

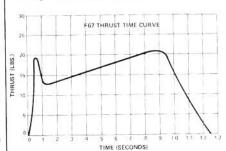
Igniter and operating instructions included.

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

SWEEP-UP SPECIAL: 2 FOR \$7.50

### EIMITED SUPPLY! F67 SERIES

The ultimate in Enerjet power; even the largest models lift-off with a crackling roar and flash out of sight on a brillant 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	N Seconds 1.2
MAXIMUM THRUST	
	Newtons 96.1
INITIAL WEIGHT	Ounces 4.0
MANAGE TARESTON	Grams 112
PROPELLANT WEIG	HT Pounds
, no eccini	Grams 43.0

RECOMMEND	ED MAX. LI	FTOFFV	VT. (with engi	nes)	DELAY
F67-6		16 oz			6 sec.
			and the second		

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.

### **NIKE RAM**

HI-PERFORMANCE PAYLOADER

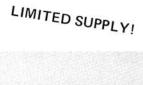
### EGG CRATE

COMPETITION EGG LOFTER

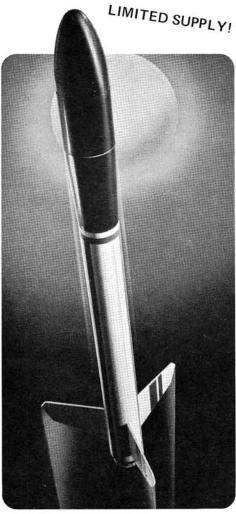
### **NIKE SMOKE**

AIRSTREAM SOUNDING ROCKET

LIMITED SUPPLY!







Ram-air pressure pumps a fine powder (PDR-17 see back page) into the moving

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	
Net Weight	3.1 oz.
Capsule Volume 9.36	cu. in.
Maximum Speed Ma	

\$4.95

(Engines & launcher not included.)

Catalog No. KE-1 Shipping Wt. 1 lb. Recommended Approx. Enerjet Motor Altitude E24-10 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	
Net Weight	4.0 oz.
Capsule Diameter	2.0"

§ 6.95

(Engines & launcher not included.)

Catalog No. KE-4 Shipping Wt. 1 lb. Recommended Approx. Enerjet Motor Altitude E24-7 2100 ft. 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	
Net Weight	3.0 oz.
Maximum Altitude 2	100 ft.

6.95°

Engines, powder & launcher not included

Catalog No. KE-3 Shipping Wt. 1 lb. Recommended Enerjet Motor E24-7

Motor Altitude 4-7 2100 ft.







### **ATHENA**

HIGH ALTITUDE "DEMO" ROCKET

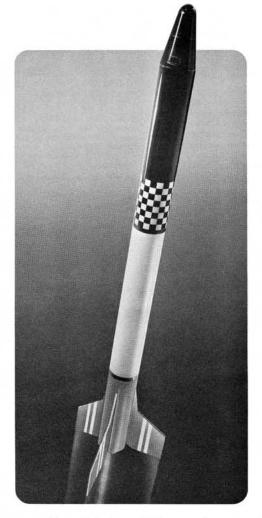
### **AERO-DART**

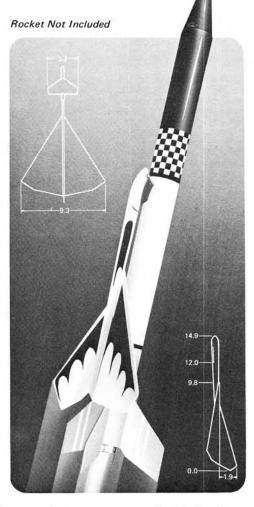
**HEAVY-DUTY PAYLOAD CARRIER** 

### **PTERODACTYL**

**EAGLE/CONDOR BOOST GLIDER** 







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 crowdpleasing 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	
Capsule Volume 31.4	cu. in.
Net Weight	6.5 oz.

\*11.95

(Engines & launcher not included.)

Catalog No. KE-5 Shipping Wt. 2 lb. Recommended Approx. Enerjet Motor Altitude E24-7 1600 ft. 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	
Net Weight	
Payload Volume 24.	5 cu. in.

(Engines & launcher not included.)

\$10.95

Catalog No. KE-2 Shipping Wt. 2 lb. Recommended Enerjet Motor E24-7 E24-4 (Heavy

Payload)

Approx. Altitude 1800 ft. 1200 ft. 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	3'
Wing Span					v		ü	. 9	)'
Glider Weight.			٠					1.60	z

(Engines and rocket booster not included)

\$ 3.95

Catalog No KE-6 Shipping Wt. 1 lb. Recommended

Enerjet Motor E24-4 ) With Large F67-6 Carrier









### 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.

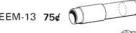
CAT. NO.	NAME	PRICE
3502	"Power-Tower" Launch Stand	\$3.95
LR-188	Heavy-Duty 3/16" Diam. Launch Rod	1.25
EFC-3	"Powr-Control" Launch Controller	3.95

### **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:



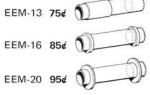
Centuri Engineering Co. Dept. E-741 Box 1988 Phoenix, Arizona 85001



### **ENGINE MOUNTS**

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

EMA-5 Spacer required for "E" motors



Egg

Balloon

Suspension not included

SWEEP-UP

30¢

Tube

EMA-5

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



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 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.

2" long WAS 3/20¢ NOW 3/15¢ LL-13 3" long WAS 3/25¢ NOW 3/20¢ SWEEP-UP

Professionally designed hemisperical 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.



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

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

SHOCK CORD FASTENERS Large 2"x2-1/2" 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

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.

## ORDERING INFORMATION

All prices in this catalog take effect June 1, 1974 and replace those in previous catalogs. Prices are subject to change without notice.

## PAYMENT OF YOUR ORDER

Money Order. No C.O.D.'s please. We do not recommend sending cash; however, should it be necessary, be sure it is well wrapped. No stamps please. Be sure to include sufficient payment with your order. Any over-payment will be promptly refunded. We cannot be respon-Please send your payments by Check or sible for coins, currency, or orders lost in mail. Be sure to add the handling charges. Full payment must be included with your order,

### FAST DELIVERY

Enerjet will ship your order anywhere in the U.S. by regular surface parcel post, unless otherwise requested. For extra fast delivery see airmail information.

Please write for Orders to foreign countries require special handling and shipping care. information and rates,

# ORDERS CONTAINING ONE OR MORE F67 SERIES MOTORS MUST, BE SHIPPED EXPRESS (OR UNITED PARCEL SERVICE WHEN POSSIBLE).

contains kits, parts, E24 or F52 motors and also includes F67 motors you will save money if we ship the entire order. Express rather than divide the shipment and send you two packages. (Postal regulations currently prohibit shipment of mode, motors containing over 25 grams of propellent). Until this ruling is changed we must ship F67 motors via Express. If your order one mail, one express - each with its own charges.

Remove order blank by cutting along this line.

stantly. Rather than over-charge you (or under-charge) you need only pay the exact and Express rates fluctuate con-Do not include handling charges. Express Orders will be shipped to you charges collect. correct amount at the time you receive your order.

CALIFORNIA RESIDENTS: Model rocket laws in California have been greatly, liberalized in recent years. However, the F67 series motor still may not be shipped to California under any circumstances. The F67 exceeds California's propellant limitations.

## AIRMAIL – EXTRA FAST DELIVERY

shown under the totaled weight in addition to handling charges for your order. Any excess surface parcel post delivery (which Enerjet pays) and the Airmail rate. To use this chart, total the "shipping weights" of the items ordered (shown in the catalog) and send the amount For extra fast delivery, see the chart below. These amounts are the difference between payment will be refunded

## WEIGHT IN POUNDS (but not over)

5.53
4.93
4.33
3.73
3.13
2.48
1.93
1.33
88.
\$.70

### UNITED PARCEL SERVICE

We may ship your order by UNITED PARCEL SERVICE, if you live in one of the many areas serviced by U.P.S. The delivery is often as fast as Air Mail, and U.P.S. can handle the F67-series. If you request Airmail, but we use U.P.S. to get the order to you faster, you may receive a credit refund.

## NOTICE OF RESPONSIBILITY

Our model rocketry products are intended for experimental and educational usage. While we feel that ours is the finest model rocketry program offered, you are cautioned to exercise the utmost of care in the use of our products. We do not accept any responsibility for accidents. No warranty, either expressed or implied, is made regarding the reliability or performance of any products. We assume no liability beyond the cost of replacement of the product which may malfunction or be found defective. It is assumed that those purchasing materials from this catalog will use them in accordance with all laws applying,

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Phoenix, Az, 85001

SHIP TO:	Please print or write name and address clearly	Is this your first
Name		Age
Address		Yes □ No □
City	State	Zip Have you ordered
If you have moved since your last order please write your old address here	your last order address here	Yes No
CODE HO	How DESCRIPTION	PRICE TOTAL sa. pkg.etc.
	22	# 100 min
20		
Please do not write	POSTAGE & HANDLING CHARGE	TOTAL FOR MERCHANDISE
		Disregard if order is to be shipped express.
	Up to \$4.00 and buy \$8.01 to \$12.00 and \$1.00 \$4.01 to \$6.00 and 804 \$12.01 to \$20.00 and \$1.25 \$6.01 to \$8.00 and 904 Orders over \$20.00 and \$1.50 \[ \]	Amount for Handling
		Additional amount for Air Mail see rate chart in catalog.
	if this order includes F67 motors.	TOTAL AMOUNT ENCLOSED

Bonus, if order is large enough. You may group them Ex.: A \$22.50 order qualifies for the \$7.50 and \$15.00 bonuses. But a \$15.00 order Mark the appropriate square to receive a tree

qualifies only for the \$15.00 bonus.

CHECK HERE: If your order is at least \$25,00

CHECK HERE: If your order is at least \$15.00

If your order is at least \$7,50 CHECK MERE:

We will include absolutely FREE, an Egg Capsule kit!

We will include absolutely FREE,\* this official decal

sheeti

energet energet energet Stretch Military

We will include absolutely FREE a Pterodactyl kitl

\* Decal sheet also available separately: Catalog No. M-313, 25¢ each.