

## PRESS INFORMATION, March 2004



### Save your rockets – with Deepsky Rocket Shop & SpaceCAD



*Harpenden, Herts, United Kingdom, March 21, 2004* – **Deepsky Rocket Shop and SpaceCAD have teamed up to reduce the number of lost model rockets from common recovery failures. With most rocket kits, you can almost certainly get one perfect flight out of the standard recovery setup. With care and luck you can get two, three or more. However, the down side of a recovery problem often means the loss of the rocket.**

“We just hate to see kids cry -- or grown-ups either! That's exactly what happens when the rocket that they spent hours assembling and painting falls out of the sky because the knicker-elastic shock cord fried or the plastic parachute melted because paper wadding was poor protection or the weak bin-liner chute material and cotton lines couldn't handle the shock of an early or late deployment” notes Paul Lavin, manager of Deepsky Rocket Shop.

Deepsky has added SpaceCAD to its offering to answer important safety questions. With SpaceCAD, customers can check their rocket and find answers to these vital questions:

- Can my rocket fly safely with a payload?
- Should I use a longer launch rod?
- Will the rocket weathercock? Become unstable?
- Do I need a bigger parachute?
- Will my rocket fly higher?
- What is the best ejection delay?

SpaceCAD helps rockets fly better and more safely. To increase the chances of a successful recovery Deepsky has created **Recovery Upgrade Kits** to minimize the chances of a crashed rocket due to the common causes of recovery failure:

**Kit A** Quality 10-12 inch nylon chute with strong nylon lines, a fireproof Nomex™ ejection shield, a swivel link and a length of 200 pound test braided Kevlar™ cord

**Kit B** Quality 14-15 inch nylon chute with strong nylon lines, a fireproof Nomex™ ejection shield, a swivel link and a length of 200 pound test braided Kevlar cord

**Kit C** Quality 16-18 inch nylon chute with strong nylon lines, a fireproof Nomex™ ejection shield, a swivel link and a length of 200 pound test braided Kevlar™ cord

**Kit D** An appropriately sized quality nylon chute (or two!) with strong nylon lines, a fireproof Nomex™ ejection shield, a swivel link and a length of 200 pound test braided Kevlar™ cord

These kits are quick to fit to most model rockets and will eliminate the most frequent causes of recovery mishaps. Free technical advice is always available for particular applications.

**As a special introductory offer, Deepsky Rocket Shop will knock £5 off the price of SpaceCAD when purchased with any Recovery Upgrade Kit before the end of May.**

**Here are more Deepsky tips for a successful flight every time:**

- Don't eject your motor instead of the parachute – secure it!
- Check the nose cone fit - not jammed in tight or too loose
- Fold the chute properly. Don't forget wadding!
- Pack the chute lines in after the chute.
- Eliminating tangles on the ground prevents them in the air!
- Make sure the chute can slide out easily. Use lots of talc.
- Keep your knots knotted with a dab of glue.
- Use a long harness so the nose cone doesn't damage the body
- Inspect the chute harness and attachment point after flight
- Use masking tape "frangible" links to absorb deployment shock
- Whenever you modify your rockets, check that your improvements are safe with SpaceCAD

**About Deepsky (<http://www.deepskyrocketshop.co.uk/>)**

Deepsky provides the widest range of model rocketry products in the UK and Europe. Whether you are completely new to the hobby or looking to move on from entry level flying to High Power Rockets, Deepsky has the rockets, motors, launch equipment and advice you need for this fast moving hobby!

Deepsky are exclusive UK dealers for all the following manufacturers:

Art Applewhite  
Fliskits  
Qmodeling  
True Modeler Rocket Kits  
Recovery Technologies  
Yank Enterprises  
Hesperis Technology

BSD High Power  
Cosmodrome  
Hakko Ballistics  
Public Enemy High Power Rockets  
Semroc Astronautics "Retro Repro"  
Sunward Model Aerospace

Deepsky also sells model kits from a wide range of US and European makers including Estes, Quest, Das Modell, Physics of Flight and Aerotech.

Deepsky also stocks solid rocket motors from Estes, Quest, Cesaroni Technologies (Pro38 and Pro54), and Congreve. Deepsky sells hybrid rocket motors from Hypertek, West Coast Hybrids, Hesperis Technology and RATT Works.

Deepsky adds new products to the range at regular intervals and aims to make rocketry challenging technically but not financially. More rockets for your money!

### **About SpaceCAD (<http://www.spacecad.com>)**

SpaceCAD is the fastest growing model rocket software for model rocketeers that want to design or modify their own model rockets on their PC. SpaceCAD is an intuitive model rocket design suite that provides features like stability and flight prediction in one seamless package. SpaceCAD delights users who are dissatisfied with difficult software that requires hours of effort to learn.

Unlike other model rocket software, SpaceCAD also focuses on supporting the actual building of model rockets by providing extensive pattern printout options and has an extensive database of modelling materials that can be customized and extended. And there is a library of great SpaceCAD user's designs on their web site!

SpaceCAD calculates the stability of model rockets by automatically determining the Centre of Gravity and the Centre of Pressure of model rockets, and instantly graphs a flight prediction for acceleration, speed and altitude. SpaceCAD can even design and analyse model rockets with multiple stages. It gives recommendations on rod length, parachute size and best delay times for any model rocket. SpaceCAD automatically checks for updates online - without sending personal information.