

# SPRING AT LAST

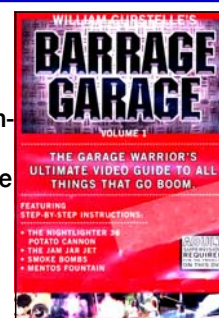


*Fireworks will give you that warm, fuzzy feeling!*



## BARRAGE GARAGE New DVD

You asked for it and here it is! The genius who brought you *Whoosh, Boom, Splat* and *Backyard Ballistics* has done it again in this step-by-step DVD that shows you exactly how the book projects are done, plus a bonus! Join William Gurstelle in his Barrage Garage, learn the origin, historical significance and other fun facts as he takes you safely and easily through each amazing experiment.



#DWG1 — (DVD) Barrage Garage

\$20.00

## AMERICAN FIREWORKS NEWS

Ever think of giving a gift subscription to AFN? Maybe brand new or even a renewal subscription for your pyro pal? We'll send a nice, decorative notice of the gift so they'll know who it's from.

Remember, AFN is a monthly international newsletter for hobbyists, enthusiasts, collectors, professionals or anyone who just plain loves fireworks. It contains informative articles written by folks involved in fireworks, and classified and display ads that are aimed at YOU - and so much more. Still only \$24 for First Class Mail in a plain white envelope, 12 times a year!

And now available on your computer at reduced price! You download it digitally!

Cat. #S1, 12 month subscription to AFN \$24.

Cat. S1E, On-line, digital subscription \$15.

## FIREWORKS BUSINESS

For the professional in the trade or anyone who wants to know about the business end of fireworks, this valuable news source includes current and vital information that everyone making money in fireworks needs to know. It's a monthly newsletter aimed at importers, manufacturers, wholesalers, retailers, display operators and those who serve the trade, and those enquiring minds that need to know.

Mailed on the 15th of each month.

And now you can get it instantly on your computer! Subscribe to the digital version and get all the hot news the same day it's published. Reduced price too!

Cat. #S2, 12 months subscription \$36.

Cat. S2E, On-line, digital subscription \$24.

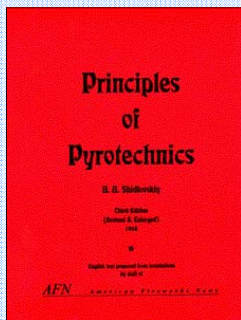
**FREE SHIPPING FOR ALL ORDERS OVER \$200**

**AMERICAN FIREWORKS NEWS, 233 Silver Lake Rd., Dingmans Ferry, PA 18328**

Need it in a hurry? VISA/MasterCard/Discover, Amer. Express orders may be phoned to 570-828-8417 or faxed to 570-828-8695, or e-mailed to [afn@fireworksnews.com](mailto:afn@fireworksnews.com). We take PayPal too!

**VISIT OUR WEBSITE FOR CURRENT SPECIALS: [www.fireworksnews.com](http://www.fireworksnews.com)**

# BOOKS - BOOKS - BOOKS - BOOKS - BOOKS

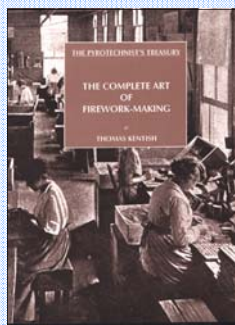


**DID THE RUSSIANS BEAT US?**  
**Principles of Pyrotechnics**  
*The world famous Shidlovsky book.*

270 full size pages, prepared from US Army & Air Force translations: detailed descriptions of components, fuels, oxidizers, binders, 23 chapters begin with General Concepts and go to Production.

NO OTHER BOOK LIKE IT!

B4, Principles of Pyrotechnics \$49.



**100 YEARS AND FIGHTING!**

**The Complete Art of Firework Making - The Pyrotechnist's Treasury**

The famous Kentish book, a best seller for over 100 years! We've rekeyed the text & made a few changes, reprinted it full size, & improved the cover! 152 pages of great descriptions and terrific line drawings. Starts with the basics, like how to make a tube. For techniques and illustrations, it's tops!

B5, Complete Art of Firework Making \$20.

**BE A CHARCOAL EXPERT!**  
**The Soul of Fire - How Charcoal Changed the World.**

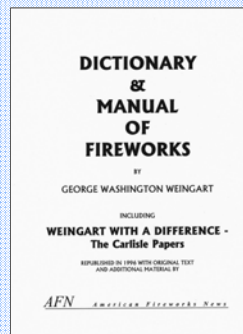
You don't think so? This amazing and classic text tells you everything you need to know about charcoal - and more. Read story after fascinating story about the simple charcoal that has influenced our lives in ways you can't imagine. Great gift book for the investigative pyro.



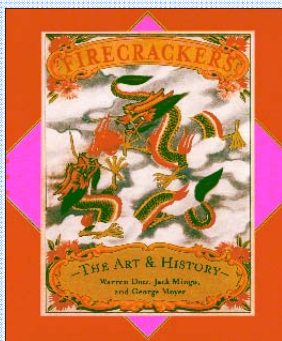
B7, The Soul of Fire \$20.

**Dictionary & Manual of Fireworks**

Yes, Weingart's book, but now with a difference! The Carlisle-Weingart Papers: years of correspondence with Weingart. Learn how he came to write the book, discover new formulas & techniques. Two great pyro minds together! Full size, 136 pages, 146 formulas, 15 tables, 100 illustrations.



B16, Dictionary & Manual of Fireworks \$20.

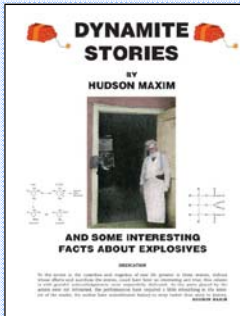


**THE BIG BOOK OF ALL ABOUT FIRECRACKERS!**

**Firecrackers, The Art & History:**

All about our favorite fireworks. Includes hundreds of pictures of pack labels and an in-depth history of our beloved firecracker. 10x10-inches of incredible firecracker info, history and pictures.

B20, Firecrackers - The Art & History \$20.



**THE KING OF EXPLOSIVES TELLS IT ALL and you'll laugh all the way!**

**Dynamite Stories**

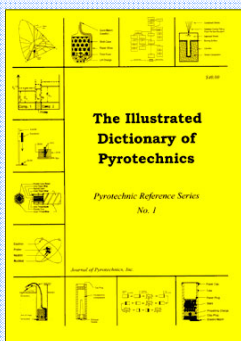
A reprise of the classic work by Hudson Maxim who was THE cutting edge of new discoveries in explosives, just as black powder was being replaced by nitro and smokeless. Perfect gift for the pyro who needs a break from traditional tutorial literature. Full size, 125 pages.

B22, Dynamite Stories \$20.

**AT LAST - A PLACE TO LOOK IT UP!**

**The Illustrated Dictionary of Pyrotechnics**

The first *serious* dictionary that attempts to define the language we use in our fireworks world. 138 pages of hard info by the *Journal of Pyrotechnics* people. From "A-blasting powder" to "Zr", this is the detailed info we all need so badly.



B27, Illustrated Dictionary of Pyrotechnics \$30.

**CHEMICAL MAGIC**

JOHN LIPPY, JR.

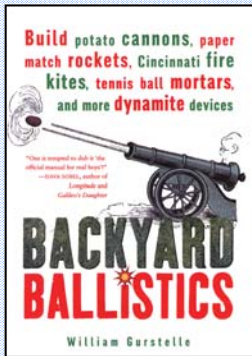


**FIND THE MAGICIAN INSIDE Chemical Magic**  
 by Lippy & Palder

Covers over 200 effects with chemicals of every conceivable nature. Some of the tricks involve simple dyes and hand manipulation tips, but much is devoted to pyro magic. Some of the finest magic tricks work on chemical secrets. Learn from the best to impress your friends and family members with your newly acquired skills. 5½ X 8¼" Soft cover 164 pages illustrated

B28, Chemical Magic \$15.

# BOOKS - BOOKS - BOOKS - BOOKS - BOOKS



## TOYS FOR BIG PYRO BOYS

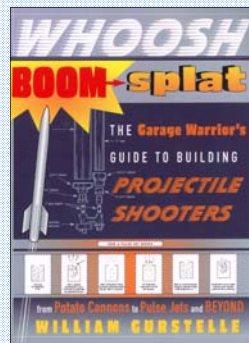
### Backyard Ballistics

by William Gurstelle

This step-by-step guide enables ordinary folks to construct 13 awesome ballistic devices using inexpensive easily purchased materials. A fun book! It is clearly written and easy to read, and has lots of illustrations and photographs. 192 pages, 7x11".

B30, Backyard Ballistics

\$17.



## IF YOU LIKED BACKYARD BALLISTICS, YOU'LL LOVE THIS!

### Whoosh, Boom, Splat

By William Gurstelle

From the nightlighter potato cannon to the offbeat Mechanical Toe, Gurstelle offers 8+ awesome, shooting, buzzing, hitting, lighting devices. Easy reading, great insight and practical info. Companion book to *Backyard Ballistics*. 162 pages, 7½x9¼".

B37, Whoosh, Boom, Splat

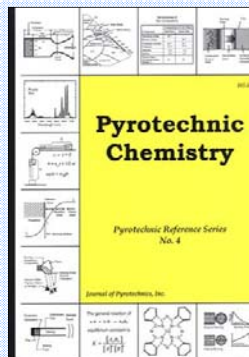
\$17.

## HARDBOUND BOOK FROM JOB

### Pyrotechnic Chemistry

Pyrotechnic Chemistry is a hard cover book on the chemistry of pyrotechnics, published by the Journal of Pyrotechnics. Authored by 13 renowned pyrotechnic researchers; over 400 full size 8½"x11" pages with a cover price of \$95.00.

B36, Pyrotechnic Chemistry



\$69.

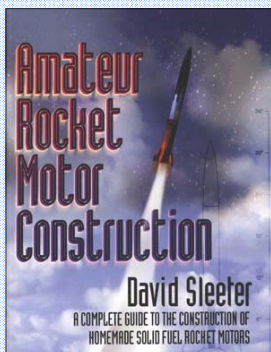
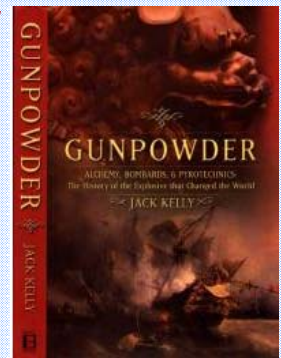
## THE HOT SKINNY ON ONE OF HUMANITY'S MOST CRITICAL INVENTIONS.

### Gunpowder - Alchemy, Bombs & Pyrotechnics

Jack Kelly's famous book, 261 pages you can't put down. Hard cover with great dust jacket - while they last. Perfect gift for that hungry pyro. Limited quantity.

B31, Gunpowder

\$25.



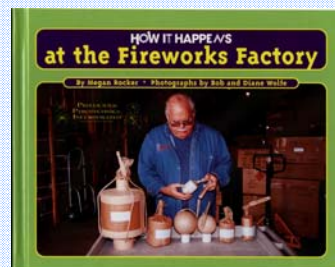
## BIGGEST ROCKET BOOK!

### Amateur Rocket Motor Construction

514 pages! A complete guide to the construction of homemade solid fuel rocket motors with clear instructions, diagrams & photos. There are nineteen chapters from background and basics, through tools, chemicals, casings, propellants, motor building process, formulas, igniters, making igniters, testing equipment and finally flight. Legal, safety, myths, etc.

B32, Amateur Rocket Motor Construction

\$40.



## AT LAST! A FIREWORKS BOOK AIMED AT KIDS

### How it Happens at the Fireworks Factory

Great for even the youngest pyro in the family. Get one for every child who loves fireworks.

This is a thin, easy-to-read book with huge full color pictures that shows many details of a factory operation. Your kids will be fascinated with every page.

B33, How it Happens at the Fireworks Factory

\$20.

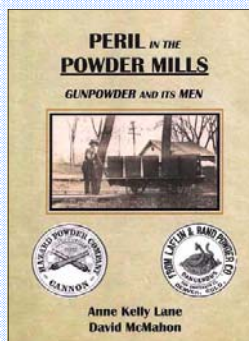
## MANY GREAT STORIES ABOUT THE HISTORY OF BLACKPOWDER AND GUNPOWDER PEOPLE

### Peril in the Powder Mills

Insight into the black powder era. Overviews are given of leading American powder companies, their roles in the Civil War, and the risks involved in powder making. Over 85 powder labels, vintage photos, trade cards and gunpowder ads. 118 pages, 8x11".

B34, Peril in the Powder Mills

\$19.



## THE BEST OF LARRY

### The Best of The Firemaker

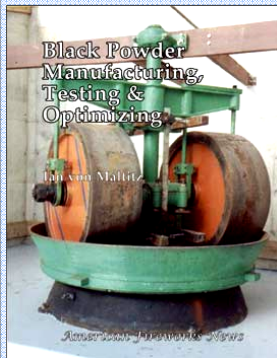
From 1996 to 2001, Larry Homan published a journal devoted to expanding the general knowledge of fireworks. The journal was appropriately named "The Firemaker". Each issue had over 30 pages of great pyro info and overall 21 issues were released. This book is a summary of the best. 240 pages, 59 articles, 100 formulas, pictures and drawings. A lifetime of experimentation and expertise.

B38, Best of The Firemaker

\$25.



# BOOKS & MANUALS ABOUT FIREWORKS

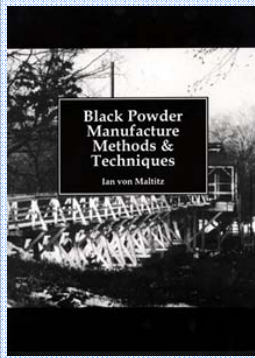


## FINE DETAILS ABOUT BP

### Black Powder Manufacturing, Testing and Optimizing.

Great new study of black powder. Examines black powder making from simple mixed ingredients to complicated professional-type production. Describes all ingredients and processes. From chemistry to physics, from mechanical to mystical, including analyzing ingredients, examining techniques and processes, from cheap to the best. 208 pages, 8½x11", 16 chapters, 59 illustrations, 17 tables.

M1, Black Powder Manufacture II \$25.



## IAN'S FIRST BOOK

### Black Powder Manufacture Methods & Techniques

In 11 chapters, 160 pages, covers batch size, grinding techniques, wetting, ingredients; then improving the technique, speeding it up, wheels and stamp mills; experimental techniques, saving money, and testing. The highlight is a personal visit to the largest commercial Black Powder manufacturing operation!

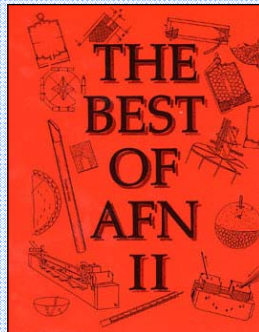
M6, Black Powder Manufacture I \$20.

## TOP NOTCH HOW-TO INFO FOR ALL HOBBYISTS

### The Best of AFN II

You read about them on the Internet, seen them discussed at club meetings, and referred to over and over - the series is simply the BEST. Each book is 5 years of the best HOW-TO info from American Fireworks News. Basics in II advance to complicated in V. Get the set for a complete education.

M22, Best of AFN II \$25.

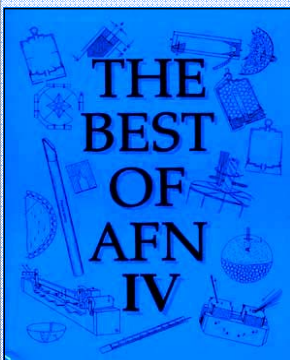
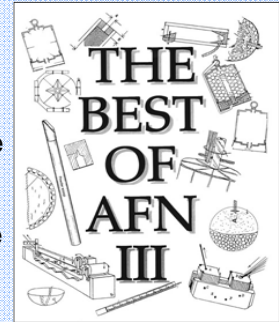


## NOW WE'RE PICKING UP SPEED

### The Best of AFN III

Five years after Best II and the writers are doing more sophisticated work - bigger rockets, more complicated shells, unique effects. Increase your skills as you work through the projects. No other how-to books like these!

M33, Best of AFN III \$25.

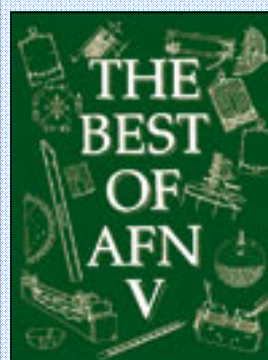


## THE EXPERTS HAVE LANDED!

### The Best of AFN IV

You guessed it - it's five years later and those 5 years of HOT HOT fireworks info are crammed in these pages. Now we talking strobe rockets, falling leaf shells, rockets, shells, chemicals, BP, safety, it's all here and up-to-date.

M44, Best of AFN IV \$25.



## TOP LEVEL FIREWORKS HOW-TO INFO!

### The Best of AFN V

These are the Wonder Years for fireworks people. Strobe, glitter, sophisticated colors, exotic whistles, all were researched and developed recently. And this is sophisticated fireworks, that's for sure! Now the writers are mature, experienced workers, proud of their work and willing to share it with us. 23 rocket articles, 19 shell articles and so much more!

M55, Best of AFN V \$25.

## BE A FIREWORKS HISTORIAN

### The Best of American Pyrotechnist

We've pulled out all the how-to articles from *American Pyrotechnist* and put them in one set of covers. All new material not printed in the other BEST books. A great collector's item! Over 40 articles. 80 pages. Extensive index for II, III & IV.

M7, Best I \$20.



## COMBINATIONS WILL SAVE YOU MONEY!

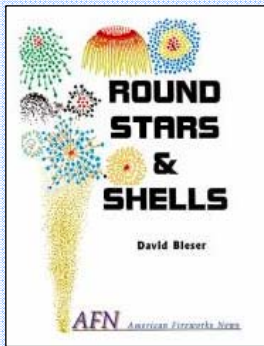
**Combos are books of the same series - buy several and save REAL money!**

Cat. #MBA, Best II, III, IV - \$70. (Save \$5.)

Cat. #MBB, Best AP, II, III, IV - \$85. (Save \$10.)

Cat. #MBC, Best AP, II, III, IV, V - \$105. (Save \$15.)

# HOW-TO MANUALS - DIRECTORIES

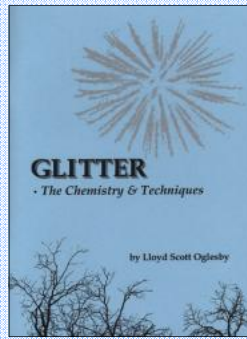


## **ROUND SHELLS MADE EASY** **Round Stars & Shells**

Dave Bleser's book that tells you how to make round shells like a pro. Using step-by-step instructions, Dave shows you how to make the paper hemi-spheres, how to make round stars, how to select the right burst charge, how to load stars, etc. 19 photos, 3 drawings, 31 special formulations. 58 pages.

M4, Round Stars & Shells

\$20.



## **BE THE GLITTER** **GO-TO GUY**

### **Glitter - The Chemistry & Techniques**

Oglesby's classic study of the phenomenon of glitter. Details theory; plenty of photos. Tells how to use this to develop your own formulations. 82 pages, 22 tables, 35 photos, 20 formulations. A unique addition to your pyro library.

M5, Glitter

\$20.

## **THE FIREWORKS TRADE** **AT YOUR FINGERTIPS**

### **2009 North American Fireworks Trade Directory**

This 178-page *Bible of the Fireworks Trade* lists hard info on all the importers/manufacturers/wholesalers & suppliers in the US, Canada and Mexico. Tells you who they are, what they do and how to reach them.



M29, 2009 North American Fireworks Trade Directory \$35.

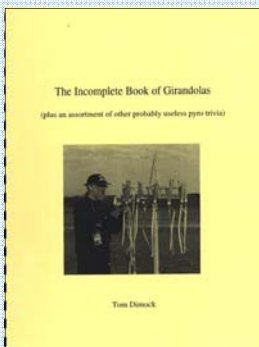
## **THE FIREWORKS WORLD** **AT YOUR FINGERTIPS**

### **2009 International Fireworks Trade Directory**

Hard info on the worldwide fireworks trade. If they have import-export interests, they are in this directory. Find cheap fireworks; find new effects; make great new contacts. The world is waiting!



M69, 2009 International Fireworks Trade Directory \$35.

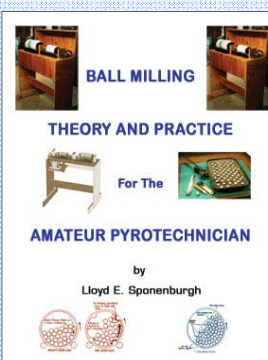


## **BE THE KING OF** **GIRANDOLAS**

### **The Incomplete Book of Girandolas** by Tom Dimock.

This fifty page book tells how girandolas are made: black and white pictures and detailed information about the history of girandolas. Also covers the steps to constructing a girandola, from using charcoal to the drivers. Info never before in print.

M24 Incomplete Book of Girandolas \$30.



## **YOU NEED A BALL MILL!**

### **Ball Milling Theory & Practice for the Amateur Pyrotechnician**

Lloyd Sponenburgh's classic is the construction manual for the ball mill that everyone is talking about. If you are serious about firework making, ball milling must be part of your hobby. This classic mill is easy and inexpensive to make. All the details right here.

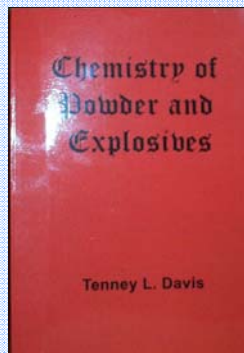
M2, Ball Milling Theory and Practice

\$20.

## **ONE OF THE BOOKS THAT** **STARTED IT ALL**

### **Chemistry of Powder & Explosives** By Tenney L. Davis

It was *the* book to own when we didn't know visco fuse from quick-match. It's an entire education in 490 textbook-size pages. A MUST for every pyro library. Fireworks, high energy, aromatics—it's all here.



B29, Chemistry of Powder & Explosives

\$30.

## **THE WORLD'S SMALLEST** **COFFEE TABLE BOOK** **FIRECRACKERS!**

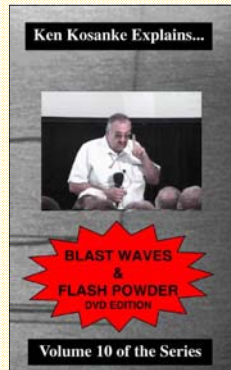
A magnificent 6½ x 6½" in full, dazzling color. They say it's "an eye-popping collection of Chinese firework art" and they got that right! Over 150 vintage Chinese firecracker pack labels from one of the largest collections, and even featuring some of the rarest examples. Every page is chock full of full color pictures of firecracker labels. Anybody who thinks that all Chinese firecracker labels look like the Yankee Boy label are in for a big surprise! Hard cover book, color on every page. 112 pages.



B39, Firecrackers

\$15.

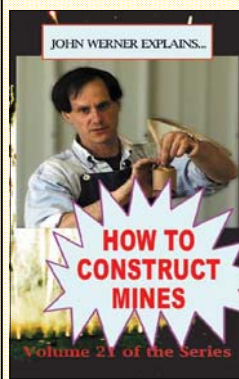
# DVDs - How-to's; tape also available



**FLASH MYSTERIES EXPOSED**  
**Blast Waves & Flash Powder**  
 By Ken Kosanke

Flash powder manufacturing is still the most dangerous of fireworks operations. And still fraught with myths and misunderstandings. What is the "best" formulation for salutes; decide between depth and sharpness of the sound? Explore the physics and chemistry of this remarkable phenomenon. 55 minutes.

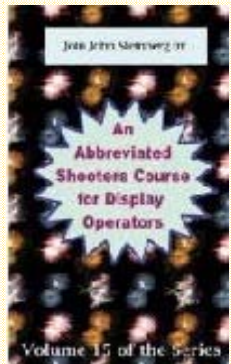
D8j (DVD) or V8j (tape), Blast Waves \$20.



**LEARN ALL ABOUT MINES!**  
**How to Construct Mines**

Discusses various types of mines, mine safety and general characteristics, including sizes and loading. Made specially for you! Fireworks plant manager John Werner's hour-long explanation of mines and comets, done right in his workshop! Shows the 4 types of mines, advantages and disadvantages of each, types of inserts, loading and safety.

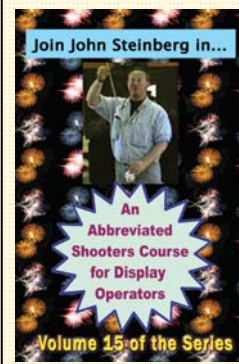
D8t (DVD) or V8t (tape), How to Construct Mines \$20.



**LIKE HAVING YOUR OWN PRIVATE INSTRUCTOR.** Part II of:  
**An Abbreviated Shooters' Course for Display Operators**

John Steinberg is back with another highly detailed tutorial of how displays are set up and fired. Adds incredible detail to D8n (or V8n), his first display recording. In DVD or tape, and available in a money-saving combo.

D8s (DVD) or V8s (tape) Shooter's Course II \$20.



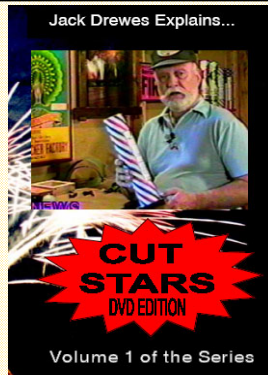
**LEARN TO SHOOT DISPLAYS**  
**An Abbreviated Shooters' Course for Display Operators**

Join John Steinberg in this exciting tutorial on how to set up and safely fire a display. Even covers shooting from barges on water! Carefully covers types of devices, equipment, techniques, safe layouts, etc. Available in both DVD and tape.

D8n (DVD) or V8n (tape), Shooter's Course \$20.

**LEARN THE EASY WAY**  
**Cut Stars**

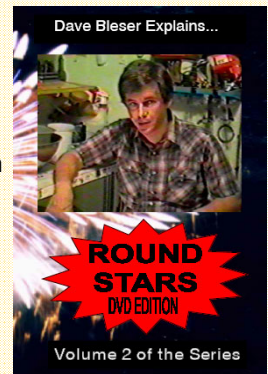
Shows a method of making cut stars that does away with toxic exposure, ensures proper wetting each time, and shows you how to make and use a special device that makes perfect stars each time. Tells you the 7 secrets of star making, safety equipment and fixtures, then goes right into making a pound batch of red stars. Mixing, cutting, priming, are all carefully shown.



D6 (DVD) or V6 (tape), Cut Stars \$20.

**BY THE GUY WHO WROTE THE BOOK!**  
**Round Stars**

Dave Bleser shows round star production; the hand process from the beginning - selection of cores - right through to field testing of complicated color-changing stars. Dave wrote the book: Round Stars & Shells. Now let Dave show you how it is done. Includes his favorite formulas too!



D7 (DVD) or V7 (tape), Round Stars \$20.

**THROW AWAY YOUR WOK**  
**Star Rolling Machine**

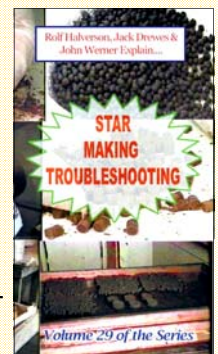
View a new technique for rolling stars! Join Tom Perigrin and Skylighter's Harry Gilliam in this 45 minute presentation that shows the operation of a new, inexpensive star rolling machine. Heavy duty, self-contained apparatus does a wide range of pyro operations, from mixing comp. to rolling color-changing stars. Nothing is held back. See a batch of stars made right from the core.



D8r (DVD) or V8r (tape), Star Rolling Machine \$20.

**FIX THOSE STAR PROBLEMS**  
**Star Making Troubleshooting**

All you need to know about star making. Gives hints & tips with troubleshooting answers to many of those problems of successful star making. See different techniques of star rolling, then watch a small segment on pumping stars with a new device from Skylighter, then watch pumped stars from a professional manufacturer, more hints & tips. 90 min.



D9b (DVD) or V9b (tape), Star Making Troubleshooting \$20.

# DVDs - Rockets & Shell Making (also on tape)

## LEARN FROM A 60 YEAR MASTER

### Traditional Canister Shell Construction

Master shellmaker Mr. Louis J. Semenza shows us the traditional way of making a 4" 3-break color shell with bottom shot. He carefully explains how much paper to use, shows how he loads the shell, discusses fusing, shows the secrets of folding down the pasted paper for neat, strong cases. He shows you how to string the shell for proper breaks. A master shellmaker tells his secrets! Probably BEST ever explanation.

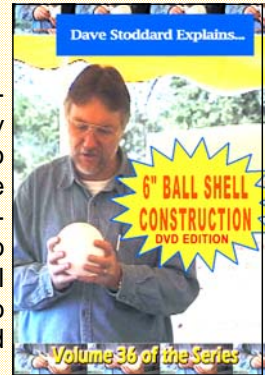


D8L (DVD) or V8L (tape) Canister Shell Construction \$20.

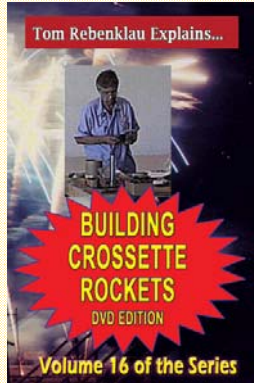
## SHELL MAKING MADE EASY

### 6" Ball Shell Construction

Dave covers from what chemicals to use, to how to carefully place the stars in the hemi, to learning the trick to closing the two hemis together without spilling the contents! Learn how to keep stars from detonating. All this with a ton of hints and tips to make your journey safer and more efficient.



D9i (DVD) or V9i (tape), 6" Ball Shell Construction \$20.

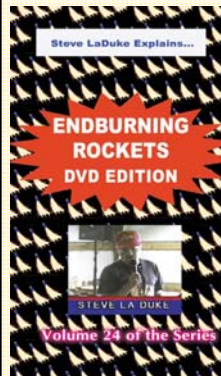


## VERY RARE VIDEO! ALL ABOUT ROCKETS!

### Building Crossette Rockets

Two-time Grand Master Tom Rebenklu tells you about the best formulas, how to pump comet stars, how to paper, finish & prime stars, make nitrocellulose lacquer, how to figure the best formula, how to drive the motor, make delay, make ring shells, fusing, sticks, etc., etc. From how to select the proper rocket tube to how to fasten the stick.

D8o (DVD) or V8o (tape), Building Crossette Rockets \$20.



## WHAT ARE END BURNERS?

### Endburning Rockets

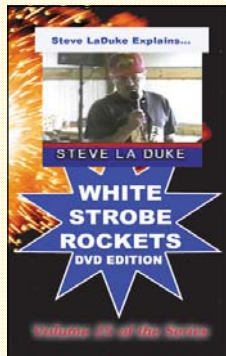
The details start right at the beginning when he discusses in depth, the method of measuring true force that is applied to the rammer. How about changing the comp. while ramming? Can different comps. be mixed for different effects? Steve tells all. Complete with formulas, techniques and tons of hints, tips and tooling!

D8w (DVD) or V8w (tape), Endburning Rockets \$20.

## LONG WINDED SCREAMERS!

### White Strobe Rockets

Steve LaDuke is back! Want to know what a Long Winded Screamer is? Magnesium types and processing; importance of cleaning the ram between rockets; many tips on pressing procedures, making end caps; making heading tubes; fastening tubes to the mortars. Complete with formulas, techniques and tons of hints, tips and tooling!

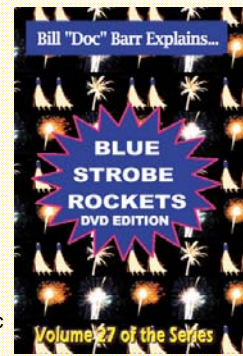


D8x (DVD) or V8x (tape), White Strobe Rockets \$20.

## A SKILLED CRAFTSMAN'S WAY OF PRODUCING SUCCESSFUL ROCKETS

### Blue Strobe Rockets

Ever seen Doc's Blue Whizzees? You gotta see 'em to believe 'em. He shows the correct method to make a nozzle, including the correct pounding technique. The comp. is spongy - there are air bubbles and such. How can you press this stuff? How do you keep it from oozing around the rammer? Doc tells all. Complete with formulas, techniques and tons of hints, tips and tooling!



D8z (DVD) or V8z (tape), Blue Strobe Rockets \$20.

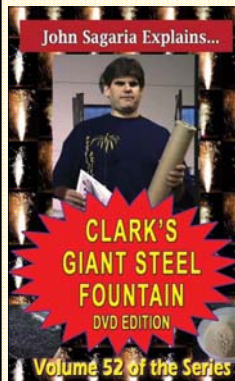
## THE MASTER SPEAKS...

### Multi-Break Small Shells for Rockets

This seminar by three-times PGI Grand Master Tony Petro is a 52-minute tutorial on how he makes canister shells for his award-winning rockets. Full of tricks and tips only an expert on his level can know.



D9j (DVD) or V9j (tape) Multi-Break Shells \$20.



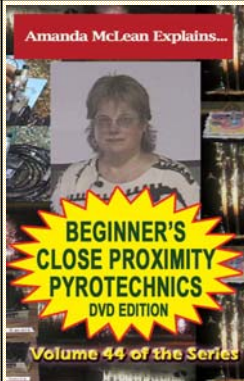
## THEY SAID IT CAN'T BE DONE

### Clark's Giant Steel Fountain by John Sagaria

John explains the mystery of this magnificent fountain. He has mastered a way to make it work every time! He divulges SECRETS about making the fountain, starting with making the nozzle of clay, wax & grog. Next onto mixing and pressing the steel comp. and lastly to fusing. This seminar covers it all.

D9y (DVD) or V9y (tape), Clark's Steel Fountain \$20.

# DVDs on Displays & How Displays Work



## LEARN FROM THE WOMAN WHO DOES IT FOR A LIVING!

### Beginner's Close Proximity Pyrotechnics

Amanda brings to you everything you need to know about Close Proximity Pyro! From materials used to the different kinds of effects and from protective measures to maintaining safety & control, this DVD is great for the beginner.

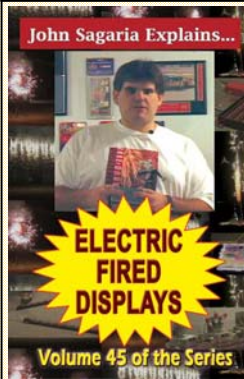
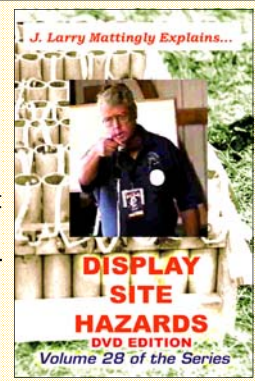
D9Q (DVD) or V9Q (tape), Beg. Close Proximity Pyro \$20.

## STAYING HEALTHY IN DISPLAY OPERATIONS

### Display Site Hazards By Larry Mattingly

Insider secrets to the hazards and safety requirements needed at different shooting sites. Covers many topics associated with shooting displays on barges, in the mountains, and off of an aircraft. Tons of hints and tips! A must-have for any display operator.

D9a (DVD) or V9a (tape), Display Site Hazards \$20.



## THROW YOUR FUSEE AWAY

### Electric Fired Displays

John Sagaria shows how to attach e-match to shells and visco, and cakes, dressing down racks, matching fronts, testing cable, saving money by using clever tricks when wiring, etc. etc. It just goes deeper and deeper into show firing. 2 hours of intense info!

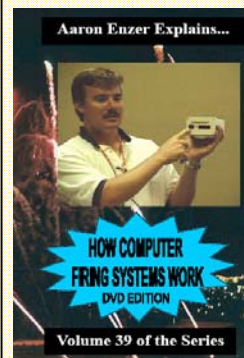
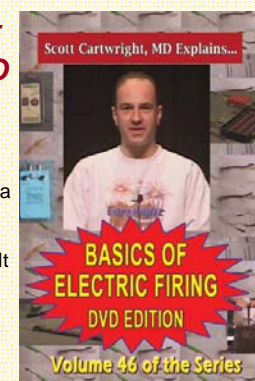
D9r (DVD) or V9r (tape), Electric Fired Displays \$20.

## FROM AMPS TO OHMS, BE AN ELECTRIC FIRING HERO

### Basics of Electric Firing

With over 20 years in the pyro trenches, Scott Cartwright knows how electric firing works. Do you know the difference between a squib and an electric match? How about single use duplex wire? Do you know the different energy sources that can be used? It just never stops: shrouds, sensitivity, clothing, stray currents, shunting, galvanometers, connections, crimps, splices, and more! These are the things you NEED to know before you tape in that first e-match!

D9s (DVD) or V9s (tape), Basics of Electric Firing \$20.



## TRAIN YOUR CREW

### How Computer Firing Systems Work

This is the pyrotechnic wave of the future. These techniques are state-of-the-art. Aaron uses the FireOne™ system and goes into minute detail about the components of the system, how to connect them, cabling, time codes and estimate of wiring costs.

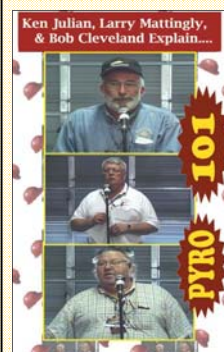
D9L (DVD) or V9L (tape), How Firing Systems Work \$20.

## THE MYSTERY BECOMES THE MASTERY

### Choreography by Computer

Aaron Enzer leads the viewer in an elaborate visit to the complexities of using a computerized firing system to fire a display timed to music. This video should be viewed with its companion video How Computer Firing Systems Work (D9L or V9L).

D9m (DVD) or V9m (tape), Choreography \$20.



## GET YOUR TRAINING THE EASY WAY!

### Pyro 101

By Julian, Mattingly & Cleveland

Covers tools, fuse, effects, general principles, regulatory matters, and much, much more! Learn how to put delay between chained mortars; to splice blackmatch & quickmatch; find out the difference between a flowerpot and a mine. Learn the lingo so you can talk to your fellow shooters.

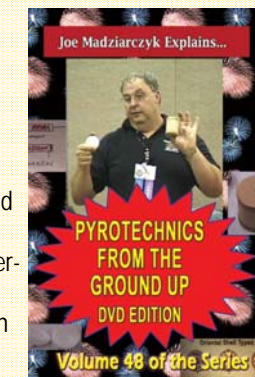
D9d (DVD) or V9d (tape), Pyro 101 \$20.

## THE VIDEO YOU WISHED YOU HAD YEARS AGO

### Pyrotechnics From the Ground Up

Joe explains the basics from different types of stars, shells & fuses to safety and even black powder. He discusses pyrotechnic devices and terminology, the difference between ball and canister shells, plastic shells, Italian-style shells & pattern shells. A great video for the beginner.

D9u (DVD) or V9u (tape), Pyrotechnics ...Up \$20.



# DVDs: SFX - Demos - Projects

## PUT THE HEAT ON 'EM!

### Flame & Fire Special Effects

More of the Andy Nicholls series. He explains designs and functions of flame & fire effects, safety & application, Fire Marshals & NFPA regulations and then he demonstrates some effects. From torches, to H-burners, to fire bars and cannon demos, he really puts the heat on!



D9x (DVD) or V9x (tape), Flame & Fire SFX \$20.

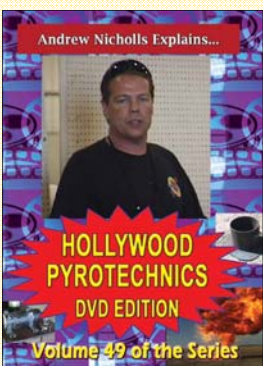
## EASY-TO-MAKE PROJECTS

### Best of the Fireworks Video Magazine

Covers all the small devices that Jack Drewes made in his workshop. Here are the topics covered: **Ground Bloom Flower Wheel, Easy Sun Wheel, Cuckoo Fountain Wheel, Glittering Sunset Construction, & Morning Glory Niagara Falls Construction.**



DB1 (DVD) or VB1 (tape), Best of FVM \$20.

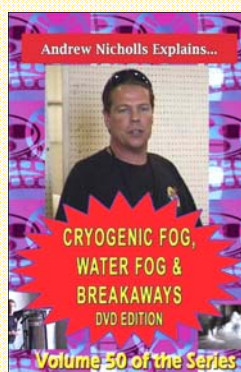


## NO MORE SFX MYSTERY!

### Hollywood Pyrotechnics

Andy shows us how movie/TV special effects are done. He discusses bullet & body hits, air and debris mortars, sand cannons, propane poppers and building explosions, dust balls & spark hits, car explosions and especially safety. At the end there's a great demo of special effects.

D9v (DVD) or V9v (tape), Hollywood Pyrotechnics \$20.



## MORE OF ANDY'S SERIES

### Cryogenic Fog, Water Fog & Breakaways

Andy shows how fog can be made using cryogenic materials or with water effects. There are problems inherent with the process. You get to see how problems are solved to give the effect the director has demanded. For breakaway glass, safety and effect are both vitally important to the success of a production. Plenty of inside Hollywood secrets!

D9w (DVD) or V9w (tape), Cryogenics \$20.

## JULY 4<sup>TH</sup> SHOW IN D.C.

### 321 FIREWORKS

The annual Independence Day display in Washington, DC is a high energy, high anxiety affair, and here it is beginning with shells being made in China to the crowd cheering. More! Behind the scenes, battle of the shipping container vs 12" shell—you've never seen this before!

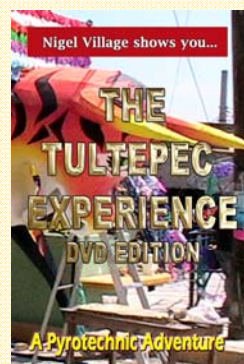


D321, 321 FIREWORKS (DVD) \$25.

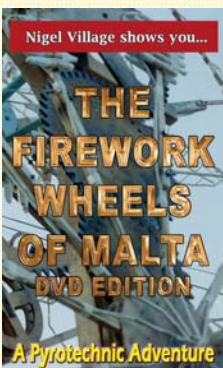
## THE NIGEL VILLAGE TRILOGY

### THE TULTEPEC EXPERIENCE

Tultepec—the pyros Nirvana! An entire city devoted to fireworks. Nigel Village recorded the 2007 Fireworks Fair there, including all the best features: the Fire Bulls, building and firing the fantastic Castillo, and the crazy evenings. Intro by Betty Musselwhite, narration by Nigel Village.



DNV1, The Tultepec Experience (DVD) \$25.

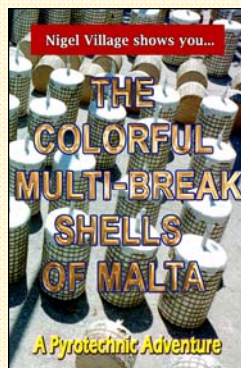


## THE NIGEL VILLAGE TRILOGY

### THE FIREWORKS WHEELS OF MALTA

Wheels—not the conventional fireworks we think of but *Irderden*, complicated devices with pulleys, sprockets, gears, and FIREWORKS. Incredibly complicated, they are a wonder to build and see. Nigel Village captured all those in this fantastic DVD. Seeing is believing, and this is great seeing.

DNV2, Fireworks Wheels of Malta \$25.



## THE NIGEL VILLAGE TRILOGY

### THE COLORFUL MULTI-BREAK SHELLS OF MALTA

Third in the Nigel Village series. NIGEL ACTUALLY WORKED IN A MALTA FIREWORKS PLANT! Now here's his salute to the skilled artists of Malta who make those *pattern salute shells, multi-break color shells in patterns*, etc. Here are the secrets of their skills.

DNV3, Malta Multi-Break Shells (DVD) \$25.

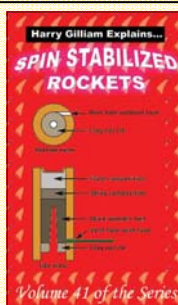
# DVDs & VIDEO TAPES ABOUT SHELL MAKING



## LEARN PYRO CLOSE-UP Indoor Fireworks

Pyro close up - we're seeing more and more, from rock bands to stockholders meetings, everybody seems to want to enhance their presentation with pyrotechnics. Steve Coman tells all about getting into the business, how to get started, how to deal with regulators, how to handle the actors, suppliers, regulations, etc.

D8i(DVD) or V8i (tape), Indoor Fireworks \$20.



## YOU GOTTA SEE IT TO BELIEVE IT Spin Stabilized Rockets

Join Harry Gilliam as he shows a great method for making these special spin stabilized rockets. Another name for these fun, easy-to-make devices is the Stinger Missile. Spin stabilized rockets are like normal black powder rockets, except these have a side vent hole. The vent hole makes the rockets spin shortly on a spindle before taking off. The beginning spin makes the rocket fly remarkably straight into the air. They require no sticks or fins to fly straight. **See the handbook for combo offer.**

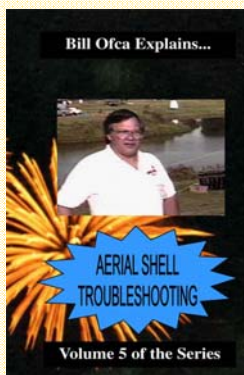
D9n(DVD) or V9n (tape), Spin Stabilized Rockets \$13.

## ELIMINATE THE DREADED DUD!

### Aerial Shell Troubleshooting

Producing successful aerial shells is one of the most difficult tasks. Once the shellmaker has learned the construction steps involved, he will still suffer unexplained malfunctions. Bill Ofca explores the possible causes of malfunctioning shells and recommends techniques.

D8C(DVD) or V8C(tape), Aerial Shell Troubleshooting \$20.



## PRESSING WHISTLE MIX! Mini Whistle Rockets

by Steve La Duke.

In this 78-minute fascinating seminar, Steve explains why it is so important to use a sleeve when pressing rockets, why determining pressing force is so necessary to keep the rocket from blowing up. He even details how much comp. to press with each increment! He gives a formula to figure pressing force! He explains why not to use a nozzle, then wraps it up with a careful, detailed demonstration of how to make the comp.

D9e(DVD) or V9e (tape), Mini Whistle Rockets .....\$20.



Don Rowe Explains...

## LEARN FROM THE PROS Hand Rolled Bottom Shots

Bottom shots are those salutes contained in aerial shells. Properly made for canister shells, they form a sabot or integral part of the integrity of the shell. Don Rowe tells how he makes better shells by hand-rolling the case, and shows you how the standard color-&-report shell is better and safer with this technique.

D8f (DVD) or V8f (tape), Hand Rolled Bottom Shots \$20.



Dave Daires Explains...

## SOMETIMES THEY WORK AND SOMETIMES ... Multi-Break Shells

Dave Daires shows making multi-break shells. His aim: that each break bursts precisely when it is supposed to and does exactly what is expected. Building from the first break, Dave keeps up a running dialog while showing how to make a 3-break beauty. From "arming" the spoollette, to wheat paste, Dave tells all, ending in audience applause as he passes around the finished 3-break shell.

D8a (DVD) or V8a (tape), Multi-Break Shell Constr. \$20.

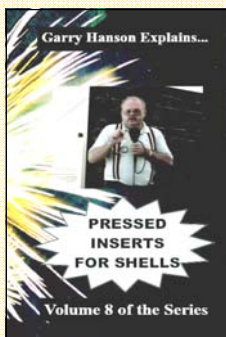


## TOURBILLIONS, HUMMERS, SERPENTS, WHISTLES

### Pressed Shell Inserts

These are basic items for high quality fireworks but they aren't all that easy! Garry Hanson shows how he produces these *pressed inserts*. They must be made safely, yet burn consistently. Garry shows, then discusses formulas and techniques, including lots of inside tips.

D8g(DVD) or V8g (tape), Pressed Shell Inserts \$20.



## VERY BEAUTIFUL SHELL Palm Tree Shells

The very beautiful effect of a rising trunk and then the magnificent burst that produces the palms! But there's more. How about the coconuts? How about different colors for the palms? Harvey Mehlos tells you what you need to know about producing this very beautiful shell effect. Formulas, techniques, tips!

D8h (DVD) V8h (tape), Palm Tree Shells \$20.

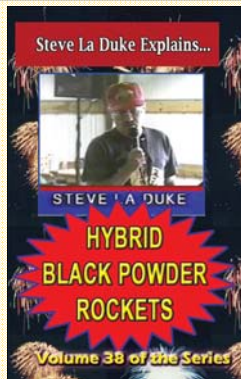


# DVD & VIDEO SPECIALS ABOUT FIREWORKS

## **DON'T GET RAM JAM!**

### **Hybrid Black Powder Rockets by Steve La Duke**

Steve demonstrates black powder rockets that whistle! See the traditional black powder tail, get the expected snort, but now discover the secret to making them whistle. Steve shows you his special nozzle material, how to avoid "ram jam", make anti-stick spindles. Learn how to figure stick length and an easy-to-make header tube. Advanced rocketry!

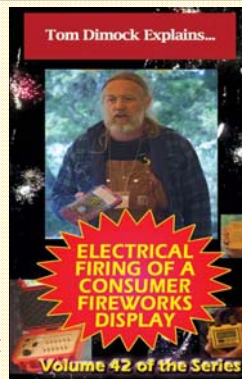


D9k (DVD) or V9k (tape), Hybrid Black Powder Rockets \$20.

## **MAKE THE LEAP TO PRO!**

### **Electric Firing of a Consumer Fireworks Display**

Tom Dimock explains how to use consumer fireworks with electric match in a display. Tom explains in great detail how to wire the electric match to the items, then how to check for continuity, and, of course, tons of hints and tips to make a great elec. display.

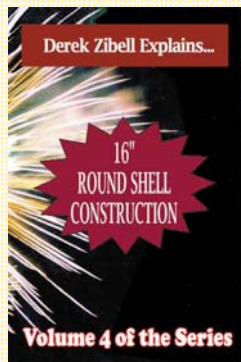


D9o(DVD) or V9o (tape), Consumer Elec. Firing \$20.

## **GRAND CANYON OF SHELLS**

### **Constructing a 16" Double-Petal, 5 Color-Changing Chrysanthemum Round Shell.**

A 16-inch cavity that will eat up over a hundred dollars and create a display in the sky that will bring the audience to their feet. Derek Zibell shows us how it's done! From laying the first stars to final paste-in, the entire process is demonstrated; plenty of tips.



D8b (DVD) or V8b (tape) Constructing a 16" Shell \$20.

## **FROM KRAFT TO ELMERS!**

### **Paper, Paste & String by John "Doc" Vico**

PGI Grand Master John takes you on an 88 -minute tour of the basic (and not so basic) info you need to know to make fireworks. He tells the characteristics of various papers, why Kraft is so suitable for so many fireworks applications. Then he goes into different kinds of paste & string. And don't forget about the tape & glue! From hot melt, spray, epoxy, to Elmer's, each has its advantages and unique characteristics. This video has fantastic hints & tips - the kind of great info that helped John earn the PGI Grand Master trophy.



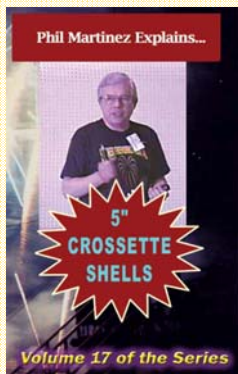
D9c (DVD) or V9c (tape), Paper, Paste & String \$20.

Phil Martinez Explains...

## **MASTER A CLASSY SHELL**

### **Constructing a 5" Canister Shell with Crossette Stars.**

Phil Martinez starts right in by showing you crossette star tools and how to split them into 4 parts. He shows rammed spoolettes, gives careful, detailed explanations of assembling the shell, tricks on loading the comets, packing, spiking, how to figure amount of lift, breaking paper, pasting in, etc.



D8p (DVD) or V8p (tape), Constructing a 5" Crossette Shell \$20.

JIM WIDMANN EXPLAINS...

## **SEE THE WONDERFUL PASTER**

### **Ball Shell Construction & Unique Finishing**

Jim Widmann shows you all about round shell construction and finishing, including lots of hints and tips and insider information. Jim demonstrates his unique machine he invented to automatically apply paper to the ball shells!



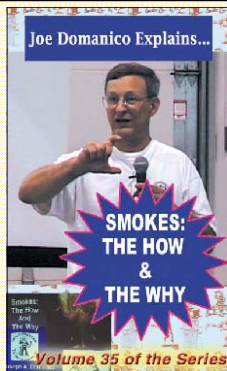
D8k (DVD) or V8k (tape),

Ball Shell Construction & Finishing \$20.

## **PEANUT BUTTER SMOKE???**

### **Smokes: The How & The Why**

Join Joe Domanico in this 60 minute tour of the magic of smoke production. Black, white, colors, formulations, pressing, chokes, configurations, it's all here. Joe takes the mystery out of making smoke.

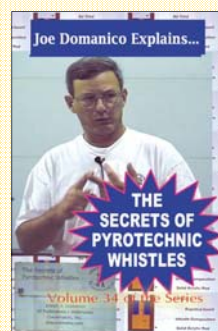


D9h (DVD) or V9h (tape), Smokes \$20.

## **BE A WHISTLE MASTER**

### **The Secrets of Pyro. Whistles by Joe Domanico**

Joe explains how whistles are made. He uses plenty of visual aids and explains the physics and chemistry of whistles. Pressing force is covered in detail; the best formulas are explained. The climax: how to make whistles more entertaining, and includes making Roman candle whistles and how to get different effects.



D9g (DVD) or V9g (tape), Secrets of Pyro. Whistles \$20.

# DVDs & VIDEOS ABOUT FIREWORKS & MISC.



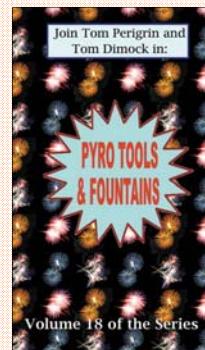
## YOU SAW IT ON TV NOVA "Adventures in Science" (2 disc set)

Nova's fabulous 2 disc set: KABOOM! Explosives through the ages, from ancient China to Oppenheimer. 60 min. TV show. Then FIREWORKS!, modern fireworks as seen in Italy, England, and thru the eyes of the Zambelli family. The 2nd famous 60 min. TV show.

BOXED SET OF 2 - Save \$10 off individual prices.

**DN3 (DVD) KABOOM!**

**\$30.**



## TWO FINE VIDEOS IN ONE! Pyro Tools & Basic Fountain

Tom Perigrin walks you through the basic fountain. Fountains are easily made fireworks, and one of the first items to master. Tom shows formulas, tools and techniques, and shows an easy way to ram composition so that it doesn't puff back in your face. Then Tom Dimock's seminar is on pyro tools, and he shows you the tools and equipment he has developed. From ball mills to rocket drivers, here's a fine explanation of what you need.

**D8Q (DVD) or V8Q (tape),**

**Pyro Tools & Basic Fountains**

**\$20.**

## YES, YOU CAN DO IT!

### Girandola Construction

The stunning device from Italian artistry - the girandola! Incredible display but tricky making requires great attention to detail. Tom Dimmock passes on his expertise to produce this device. But remember the old Italian saying: "Where it comes down, it comes down."

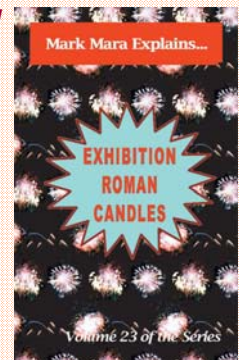


**D8u (DVD) or V8u (tape), Girandola Construction \$20.**

## MADE ESPECIALLY FOR YOU

### Exhibition Roman Candles

Exhibition Roman candles are different - they're wide bore and powerful - definitely not a hold-in-hand device! Mark shows all the secrets of making glittering crossette stars, then how to make them into award-winning exhibition candles. He also covers topics such as: how to be sure each star is pressed the same, how to make your own hydraulic press, how to make a candle press, how to make Meal.



**D8v (DVD) or V8v(tape), Exhibition Roman Candles \$20.**

## AWESOME DVDs ON OVERSEAS FIREWORKS MAKING from John Werner

### 1. Firecracker & Fuse Manufacturing in China

Visit a Chinese firecracker factory. See how paper firecracker fuse, Visco, and quickmatch are made. See different techniques and machines making firecracker and larger fuses, how the tubes are loaded, crimped, fused, strung, and packaged.

**DW1 \$24.**

### 2. Fireworks from Japan

Doubtless the most expertly made and artistic round (ball) shells in the world are made in Japan. Most of us never see

such shells. But for anyone who aspires to making truly excellent ball shells, seeing what they really can be is an absolute necessity. Here's the ultimate, showing perfect timing, shape, color transitions, and creative potential. Beautiful layering of shells, mostly 8", 10's and 12's. **DW2 \$24.**

### 3. Fireworks in Malta

The Maltese make amazing fireworks. Huge multi-break cylinder shells, up to 5 break, 10 inch diameter, 180 pounds! See many scenes of close-ups of various size salute inserts with unique Maltese side fusing; firing of multi-break daylight noise shells; and see close-ups of Irrieden and firing.

**#DW3, Fireworks of Malta**

**\$24.**

## HOW TO ORDER FROM THIS CATALOG

**BY MAIL:** Please use the enclosed order form. If it is missing, use a plain piece of paper and just show the item number and name, plus your name, address and payment information. Add shipping costs as shown below.

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