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# SCIENCE NEWS LETTER



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## Prehistoric Head

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1946



# The why of Monsanto

## Calcium Phosphates

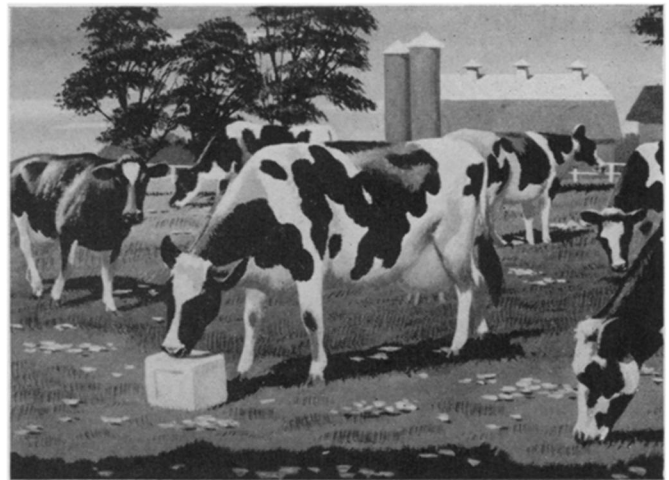
Modern diets—even though rich in vitamins—often do not provide all the calcium and phosphate the body normally needs.

To guard against this possible dietary deficiency, many manufacturers add Monsanto calcium phosphates to flours, breads, cereal foods, salt, and even sugar. This supplies a reserve the body needs, regardless of age or sex. For, calcium phosphate is the principal element the body uses to build bone and tooth structure during infancy and childhood. Also, it is essential throughout adult life, if bones, teeth and tissue are to remain strong and healthy.

Here is just another of the many ways Monsanto benefits everyone, every day—this time through the chemistry of health and life itself.

MONSANTO CHEMICAL COMPANY, ST. LOUIS 4

District Offices: Akron, Birmingham, Boston, Charlotte, Chicago, Cincinnati, Dayton, Detroit, Los Angeles, Montreal, New York, San Francisco, Seattle, Springfield, Toronto.



Monsanto's elemental phosphorous, of better than 99.9% purity, is the source of Monsanto's calcium phosphates. These phosphates are pure white, tasteless, odorless.

Animals instinctively choose foods rich in calcium phosphates. That's why livestock thrives when supplied with "salt blocks" fortified with Monsanto calcium phosphate.

### Uses of

#### Monsanto Calcium Phosphates

To supply calcium and phosphorous as mineral supplements for foods... leavening agents... enriched flours self-rising, phosphated plain flour prepared flour... baking powder medicinals... polishing agent in tooth paste and tooth powder... to prevent "caking" in salt and sugar.

#### Monsanto Calcium Phosphates

CALCIUM PHOSPHATE, MONO
CALCIUM PHOSPHATE, DI
CALCIUM PHOSPHATE, TRI
CALCIUM PHOSPHATE, X-C (extra rich in calcium)
CALCIUM PYROPHOSPHATE

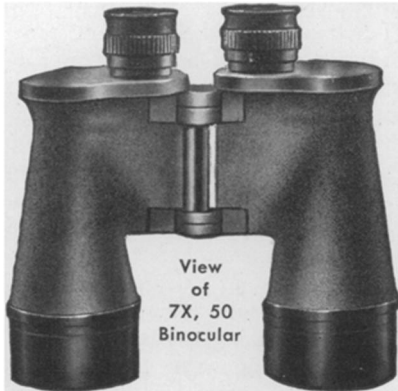


#### What's YOUR Problem?

If you manufacture food products or medicinals that can be profitably enriched with calcium phosphates, contact Monsanto... Or, if you have any problem beyond the field of foods, you may find an answer in Monsanto's many hundreds of chemicals and plastics.

# WAR BARGAINS in LENSES and PRISMS

## NOW! MAKE YOUR OWN BINOCULARS!



Sorry! No more machined sets of 7X, 50 Binocular Metal Parts. We do have unmachined left and right body and cover plate castings . . . but no other parts.  
 Stock # 820-Q ----- \$2.50 Postpaid

### COMPLETE SET OF LENSES AND PRISMS FROM NAVY'S 7X, 50 MODEL

#### SAVE UP TO \$150.00!

Here's an unusual opportunity to secure a fine set of Binoculars . . . at a tremendous saving of money. Build them yourself with all of the very same optics contained in the Navy's 7 Power Glasses . . . the Binoculars which received such wide acclaim during the war. If, however, you wish to construct a Monocular (1/2 a Binocular) you may do so. Monocular Sets comprise 1/2 quantities of the same optics required for the Binocular. The full Binocular Set comprises the following:—2 Cemented Achromatic Eye Piece Lenses, 17.5 mms. diam.; 2 Eye Field Lenses; 4 Porro Prisms; 2 Cemented Achromatic Objective Lenses, diam. 52 mms. All Lenses have the new low reflection coating. Complete assembly directions included.

Stock # 5102-Q Binocular Set of Lenses and Prisms \$25.00 Postpaid  
 Stock # 5103-Q Monocular set of Lenses and Prisms \$12.50 Postpaid

#### SPECIALS IN LENS SETS

Set # 1-Q—"Our Advertising Special"—15 lenses for \$1.60 Postpaid, plus 10-page idea booklet. For copying, ULTRA CLOSE-UP SHOTS, macrophotography, experimental optics, magnifying and for making a two, power f/16 Telephoto Lens, "Dummy Camera," Kodachrome Viewer, DETACHABLE REFLEX VIEWFINDER for 35 mm. cameras stereoscopic viewer, ground glass and enlarging focusing aids, TELESCOPES, low power Microscopes and for many other uses.

#### NEW 50-PAGE IDEA BOOK "FUN WITH CHIPPED EDGE LENSES"

Contains wide variety of projects and fully covers the fascinating uses of all Lenses in sets listed above . . . only \$1.00 Postpaid.

SPECTROSCOPE SETS . . . These sets contain all Lenses and Prisms you need to make a Spectroscope plus FREE 15-page instruction Booklet.

Stock # 1500-Q Hand Type Spectroscope \$3.45 Postpaid  
 Stock # 1501-Q Laboratory Type Spectroscope \$6.50 Postpaid

POLARIZING RING SIGHT (Something New in Optics)—Utilizes the interference pattern created by a basal section of calcite or sodium nitrate crystal between crossed polarizers. Diam. 32 mms.—Thickness 7 mms.

Stock # 2067-Q ----- \$2.00 Postpaid

CARRYING CASE WITH STRAPS FOR 7X, 50 BINOCULARS—All leather construction—brand new—a regular \$10.00 value.

Stock # 44-Q (Price includes tax) \$4.80 Postpaid

SECONDS IN PLANO-CONVEX CONDENSING LENSES.

Stock # 1068-Q Diam. 4-7/16", F.L. 6-1/2"—70c each Postpaid

ACHROMATIC TELESCOPE OBJECTIVE LENSES—Cemented—Diam. 52 mm., F.L. 8 1/2 inches. Slight seconds.

Stock # 6188-Q ----- \$3.50 Postpaid

NEW PROJECT BOOK—HOMEBUILT RIFLE-SCOPES—30c Postpaid. List of available Rifle Scope Lenses sent FREE with book.

RAW OPTICAL GLASS—An exceptional opportunity to secure a large variety of optical pieces, both Crown and Flint glass (seconds) in varying stages of processing. Many prism blanks.

Stock # 708-Q 8 lbs. (Minimum weight) ----- \$5.00 Postpaid

Stock # 702-Q 1 1/2 lbs. ----- \$1.00 Postpaid

MAGNIFIER SET—5 magnifying Lenses—Powers from 1 to 10.

Stock # 1026-Q ----- \$2.00 Postpaid

RETICLE SET—5 assorted, engraved reticles from U. S. Gun sights.

Stock # 2085-Q ----- \$1.00 Postpaid

ORDER BY SET OR STOCK NO.

#### ACHROMATIC LENSES

Stock No.	Dia. in mms.	F.L. in mms.	Price
6158-Q*	18	80	\$1.00
6162-Q	25	122	1.25
6164-Q*	26	104	.80
6166-Q	29	54	1.25
6168-Q	29	76	1.25
6171-Q	32	171	1.00
6173-Q*	34	65	1.00
6176-Q*	38	131	1.00
6177-Q*	39	63	1.10
6178-Q*	45	189	1.50
6179-Q*	46	78	1.25
6182-Q	27	51	1.25
6183-Q	44	189	2.50

\* ASTERISKED ITEMS are uncemented, but FREE cement and Directions included with uncemented sets.

USES—Use these Lenses for making Projecting Lenses, Low Power Microscope Objectives, corrected Magnifiers, substitute enlarging Lenses, Eye-Piece Lenses, Macro photography, Gadgets, Optical Instruments, etc., etc.

#### ALL THE LENSES YOU NEED TO MAKE YOUR OWN TELESCOPE! ALL ARE ACHROMATIC LENSES

GALILEAN TYPE—Simplest to Make but has Narrow Field of View.

Stock # 5018-Q—4 Power Telescope .. \$1.25 Postpaid  
 # 5004-Q—Small 2 Power Pocket Scope \$1.00 Postpaid

PRISM TELESCOPES—Use Prism instead of Lenses to Erect Image. Have wide field of view.

Stock # 5012-Q—20 Power Telescope .. \$7.25 Postpaid

RIGHT ANGLE PRISM—Flint Optical Glass, size 41 mm. by 91 mm. by 64 mm. Use in front of camera Lens to take pictures to right or left while pointing camera straight ahead. Also used in front of camera Lens to reverse image in direct positive work. Two of these Prisms will make an erecting system for a Telescope.

Stock # 3076-Q ----- \$3.00 Postpaid

WE HAVE LITERALLY MILLIONS OF WAR SURPLUS LENSES AND PRISMS FOR SALE AT BARGAIN PRICES. WRITE FOR CATALOG "Q"—SENT FREE!

#### PRISMS

Stock No.	Type	Base Width	Base Length	Price
3040-Q	Right Angle	33 mms.	23 mms.	\$ 1.25
3053-Q	Right Angle	70 mms.	168 mms.	3.00
3001-Q	Lens Surface	20 mms.	14 mms.	2.00
3006-Q	Porro-Abbe	9 mms.	9 mms.	.25
3009-Q	Porro	52 mms.	25 mms.	1.00
3029-Q	Dove	16 mms.	65 mms.	1.25
3036-Q	80 Degree Roof	60 mms.	36 mms.	4.00
3038-Q	Roof Prism	18 mms.	34 mms.	2.50

All items Finely Ground and Polished, some Edges Slightly Chipped or Other Slight Imperfections Which We Guarantee Will Not Interfere with Their Use. Come Neatly Packed and Marked.

TO KEEP POSTED on all our new Optical Items, send 10c and your name and address to get on our regular "Flash" mailing list.

#### GIANT SIZE RED AND AMBER FILTERS

Filter material is cemented between glass. All 3/8" thick.

Stock #	Color	Diam.	Price
706-Q	Red	7-7/8"	\$4.00
707-Q	Red	5-7/8"	3.00
708-Q	Amber	7-7/8"	3.00
709-Q	Amber	5-7/8"	2.00

POLARIZING FILTER—Diam. 73 mm. Perfect condition.

Stock # 637-Q ----- \$3.00 Postpaid

#### MOUNTED PROJECTION LENS

A mounted f 2.1; 3.5 inch F.L. Projection Lens mfgd. on a Navy contract to be used on a 35 mm. Projector. Low reflection coated. Perfect condition. Black finish threaded at rear end. Outside diam. approx. 2 inches.

Stock # 4031-Q ----- \$12.00 Postpaid

35 MM KODACHROME PROJECTING LENS SET—Consists of 2 Achromatic Lenses for projecting, plus 2 Condensing Lenses and a piece of Heat Absorbing Glass with directions.

Stock # 4029-Q ----- \$3.10 Postpaid

35 MM. KODACHROME PROJECTING LENS SET—Consists of Achromatic Lens for projecting, plus a Condensing Lens and a piece of Heat Absorbing Glass with directions.

Stock # 4025-Q ----- \$1.95 Postpaid

#### MISCELLANEOUS ITEMS

Stock No.	Item	Price
3006-Q	Porro Abbe Prism	\$0.25 each
2024-Q	10 Pieces Circular A-1 Plate Glass (Dia. 31 mm.—for making filter)	.25
3021-Q	Amici Roof Prism (3rd grade)	.25 each
523-Q	Six Threaded Metal Reticle Cells	.25
624-Q	Neutral Ray Filter size 4 3/4" x 2 1/2"	.25
3022-Q	Round Wedge 65 mm. dia.—16-Q—Level Vial, 48 mm. long	5.00 each .20 each
1040-Q	6 Power Magnifier—diam. 25 mm.	.25 each
2043-Q	Standard Crossline Reticle—dia. 29 mm.	.50 each
1034-Q	Burning Glass Lens	.25 each
535-Q	Small First Surface Mirror	.30
3003-Q	Amici Roof Prism with Corrected Roof	2.50
633-Q	Combination Polarizing and Infra-Red Filters, diam. 20 mm.	.50

(Minimum Order on Above—\$1.00)

#### TANK PRISMS—PLAIN OR SILVERED

90-45-45 deg. 5 3/4" long, 2 3/4" wide, finely ground and polished

Stock No.	Item	Price
3004-Q	Silvered Prism (Perfect)	\$2.00 Postpaid
3005-Q	Plain Prism (Perfect)	\$2.00 Postpaid
3100-Q	Silvered Prism (Second)	\$1.00 Postpaid
3101-Q	Plain Prism (Second)	\$1.00 Postpaid

(Illustrated Book on Prisms included FREE)

BATTERY COMMANDER'S TELESCOPE, MODEL BC-65—Complete with Tripods—10 power. New, in perfect operating condition. A Binocular type instrument. Government cost approx. \$1300.00.

Stock # 900-Q ----- \$245.00 Postpaid

• SATISFACTION GUARANTEED

• IMMEDIATE DELIVERY

# EDMUND SALVAGE COMPANY, P. O. Audubon, New Jersey