

SURGERY

Gallbladder Surgery for Persons Over 60 Safe

➤ PERSONS over 60 years of age are as good a risk for gallbladder operations as are persons under 60, Dr. Alec Horwitz of George Washington University School of Medicine, Washington, has reported.

Old age alone is not enough to prevent early surgical removal of gallstones that have become malignant, Dr. Horwitz said. Of 300 gallbladder operations he has performed, 67 were on patients over 60. There were no deaths, even among those with complications.

The Washington doctor cautions, however, that it is wise to eradicate gallbladder disease before old age overtakes the patient and before other diseases and complications occur, even when the gallstones produce no symptoms.

Reporting in the *Journal of the American Medical Association* (July 21), Dr. Horwitz says that there is a "very great increase" in the incidence of inflammation of the gallbladder, common duct obstruction and cancer of the gallbladder in persons over 60.

Delay in surgery, he points out, must be avoided because the aged person deteriorates rapidly.

In the urgent case, he suggests, quick treatment, gentle and rapid but unhurried, smoothly efficient operating-room teamwork and skillful anesthesia will be repaid by fewer deaths or serious illness.

Science News Letter, August 4, 1956

AERONAUTICS

Some Relief Foreseen For Crowded Air Lanes

➤ SOME RELIEF for crowded air lanes and the possible mid-air collisions they can cause is foreseen through use of a new altimeter now being installed in Air Force planes.

Developed by the Air Research and Development Command in cooperation with Kollsman Instrument Corp., Elmhurst, N. Y., the new altimeter is 400% more accurate below 50,000 feet, and 100% more accurate above that altitude than those now in use.

It will allow the Air Force safely to decrease the vertical distance between aircraft in flight from 2,000 to 1,000 feet.

The greatest altimeter error allowable has been much reduced by the new instrument, which can maintain its accuracy at temperatures from 31 degrees below Fahrenheit to 158 degrees above. Maximum error at 10,000 feet, formerly 350 feet, is reduced to only 80 feet; at 80,000 feet, it is cut in half to 1,500 feet.

Called the MA-1 altimeter, the instrument has greater accuracy due to a more sensitive diaphragm, better mechanical linkage and improved materials that operate more dependably under temperature changes.

Science News Letter, August 4, 1956

AMAZING NEW DESIGN MICROSCOPE
60 TO 450 POWER

Take advantage of our tremendous foreign purchase. Ideal for use by the Amateur, Scientist, Student.

- Has Triple Revolving Turret with 10X, 20X and 30X precision ground and polished lenses.
- Two interchangeable eyepieces of 6X and 15X with precision ground and polished lenses.
- SIX MAGNIFICATIONS for all purposes—60X, 120X, 150X, 180X, 300X and 450X.
- New Patented Sub Stage with SELF-CONTAINED LIGHT. No external light source is needed.
- Large sub-stage mirror for use with external light when desirable.
- All Metal Body—precision made. Inclines through 90 degrees.
- Special hardwood case and 3 glass slides included.

FREE WITH MICROSCOPE
This eight piece dissecting set contains Scalpel, Tweezers, etc. Free with microscope above.

HAS 60, 120, 150, 180, 300 and 450 POWER MAGNIFICATION

1295

SAVE UP TO 50% ON IMPORTS and GOVT SURPLUS

2 PC. 4-6-10 POWER EYE LOUPES

The newest in Eye Loupes. A 2 piece, 10 Power precision unit with a 6 power lens that screws onto a 4-power base—can be used as a 4x, 6x or 10 power magnifier. A \$2.50 value.

ONLY 125

NEW PALLEY 100 - 200 - 300X MICROSCOPE

IDEAL FOR STUDENTS, AMATEURS, SCHOOLS, ETC.

Only 895

An unsurpassed value! This is NOT A TOY! The triple revolving objective lens turret allows you to select a 100X, 200X or 300X magnification. Has right or left hand rack and pinion adjustment for smooth, precise movement. The all metal body inclines 90 degrees. Adjustable plano-stage mirror. Complete in hardwood case. Satisfaction fully guaranteed or money back.

SURPLUS SPECIAL

20-1 SPEED REDUCER

Precision built for Army Gun Control mechanism. Excellent for experimental and for Laboratory uses. The gear ratio of 20 to 1 gives approx. 90RPM with a 1750 RPM motor—direct drive. Can be belt driven—any desired speed with any size motor up to 1/2 HP. Has a cast aluminum alloy case and BALL BEARINGS throughout. Heavy duty, double reduction spur gear drive. Will operate conveyors, timing devices, machine tool drives. Cost Gov't \$86

995

10 POWER NAVY SPYGLASS

Here's a real optical bargain. Manufactured by Wollensak for the U.S. Navy Bureau of Ships. A 10 Power Officer of the Deck Spyglass. Has top quality, fully coated, precision ground lenses. Adjustable eyepiece. Overall length is 22-3/4". Complete in handsome hardwood case with brass hinges and locks. Used but excellent—

2275
2995

SPYGLASS—Same as above but ALL NEW . . .

SELSYN TRANSMITTER MOTOR

A Synchronous Type AC motor. Made originally for Army fire control units. A precision motor for the experimenter, etc. Will operate without speed variation for an indefinite time. 115 Volt, 60 cycle AC.

1495

12 PIECE SPORTS KNIFE

NEW IMPORT

IDEAL GIFT FOR SPORTSMEN, ETC.

Eliminates 12 ITEMS from PACK or TOOL KIT! Contains a regular knife, fork, spoon, fish scaler & bone saw, scissors, draw knife, can & bottle opener, corkscrew, owl punch, metal file. All mounted in a rugged 4-5/8" bone covered handle. Complete with handsome, genuine leather belt holster. BUY DIRECT from IMPORTER!

1295 VAL. 395

NON-A PROVEN FACT—SAFETY BELTS SAVE LIVES

NYLON AUTO SAFETY BELTS

MADE TO WITHSTAND A CRASH PRESSURE OF 3000 POUNDS

Meets Civil Aeronautics Standards. Approved by Police, Safety Councils, Highway Patrol, Fleet Operators, etc.

Made of finest NYLON webbing and fitted with Aircraft type buckle. Easily installed in any car. Special sizes for Sports Cars. Available in the following colors: Blue, Green, Gray and Maroon.

995 VAL. ONLY 489 EACH

INSTALL IN 1/2 HOUR

HOLDS YOU IN YOUR SEAT

PREVENT THIS IN A CRASH

3 SECONDS TO FASTEN—2 SECONDS TO UNFASTEN

6 POWER NAVY SCOPE

A remarkable Navy Surplus Bargain. Originally designed as an Azimuth Telescope which mounted above the Gyro Compass. Has approx. 6 POWER. Finest Quality fully coated lenses. Crosshair reticle. Adjustable eyepiece. A Sun filter and a Haze filter. New cond. Cost Gov't \$150.00

2495

4 SPEED BARBECUE and HOBBY MOTOR

A rugged, precision built electric motor—uses 110 Volt, 60 cycle current. Originally built for the Navy—NOW converted for YOU! Has four take-off shafts for different speeds of 5, 25, 150 and 4000 RPM. A \$35.00 Value

895

NEW ARMY SURPLUS 178mm f:2.5 CAMERA LENS

Originally designed for use on the K-21 and K-24 Aerial Cameras. A genuine EASTMAN AERO EKTAR 178mm lens. Has speeds from f:2.5 to f:16. Focal length is 7 inches. This amazing lens is NEW—in original can. Guaranteed perfect condition. Excellent for Color or Black and White. Exceptionally fine for night work or in poor light conditions. Comes with 2 filters—1 Polarized (for haze) and 1 yellow, plus a filter adapter, a lens heater for high altitudes and a lens dust cap. Can be adapted to 35 mm or Speed Graphic Cameras as a Telephoto lens (see below).

SPEED GRAPHIC ADAPTERS for above lens—
Includes Lens Board, Extension Tube and Bed Support.

2-1/4 x 3-1/4" **2175** 3-1/4 x 4-1/4" **1875**
4 x 5" **1475**

FREE! BARGAIN BOOKLET

Packed with more Amazing Palley Bargains in Government Surplus and New Merchandise. Includes Optical Goods, Camping & Hiking Equip., etc. Write for booklet No. C8.

35 MM ADAPTERS FOR ABOVE LENS—
Complete—no other parts to buy. Will focus from 8 ft. to infinity—setting marked on the mount.

LEICA—CONTAX S&D—EXACTA . . . **8950**
CONTAX 2A . . . \$109.50 HASSALBAD . . . \$139.50

Palley's

2263 E. VERNON AVE.
DEPT. N-8
LOS ANGELES 58, CALIF.

ORDER FROM THIS AD— Pay by Money Order or Check. P.O.s accepted from well rated D&B firms. 1/2 deposit with all C.O.D.s. Prices are F.O.B. our warehouse in Los Angeles, California

Science Service, Inc. is collaborating with JSTOR to digitize, preserve, and extend access to *The Science News-Letter*.