

## INVENTION

# Patents of the Week

**A child's safety seat that rests on the front seat of an automobile and will remain firmly attached despite violent jarring was awarded a patent.**

► THE WORRIES of parents driving with children in their automobile can be put at rest with a child's auto safety seat which was awarded patent 3,061,371. The safety seat, which rests on the front seat beside an adult passenger, safely and comfortably straps in the child. The patent was awarded to the inventor, Edward J. Benoit of Boucherville, Quebec, Canada, who claims that the child's auto seat "will remain firmly attached in position on the automobile front seat despite violent jarring, and even when the child is three or four years old and weighs 30 pounds or more."

Two sets of straps, threaded through the hinged seat, pass over the back of the front seat and are latched by a hook to eyebolts on the car's floor or to the conventional crossbar at the bottom of the front seat. Accessories to entertain the seated child can be easily added to the chair, Mr. Benoit said. The auto seat can be quickly folded and easily put away when not in use.

## Sterile Packaging

A packaging technique that keeps sponges sterile until used during operations was granted a patent. George W. Scrivens, Nixon, N. J., and Robert J. Trewella of Milltown, N. J., received patent 3,061,087, which they assigned to Johnson & Johnson.

The plastic container, which looks like the packets for jelly now widely used in restaurants, keeps the sponges sterile until opened in operating room.

## Container for Air Drops

A container that can be dropped from a low-flying aircraft was granted patent 3,061,248. Harold S. Jones, Saxonville, Gregory L. Chiriaco, Worcester, and Predrag Shopalovich, Ashland, Mass., granted patent rights to the U. S. Army.

The container, which looks like a pie plate with a wide lip or flange, is used for ejection of maps, military photos, messages or other small items from a low-flying aircraft at altitudes from 50 to 200 feet.

A plastic or Fiberglas lid, which is flexible enough to contain various-size items, straps easily to the pie-shaped container.

## Skin Diver Weapon

A weapon to protect skin divers from dangerous fish won patent 3,060,854 for Louis A. Maretti of Carpentersville, Ill., who assigned rights to Perma-Pier, Inc., Skokie, Ill. A small underwater rocket with a range of 75 to 100 feet is triggered by pulling a plug from the rocket which fires a propellant contained in the waterproof rocket.

The amount of powder charge used is so small "as to be virtually harmless to human beings," the inventor stated. An accom-

panying flash, he said, "may produce an underwater disturbance which is amply sufficient to frighten sharks, barracuda, and any other fish or marine creature."

## Attention: Army Recruits

Now is the time for all good men to come to the aid of the lowly recruit who has to stand those rigid Army inspections. Three good men by the name of Herman Bogaty of Evanston, Ill., Norman R. S. Hollies of Bethesda, Md., and John C. Hintermaier of Troy, N. Y., have developed a fabric that presents a "suitable appearance after continued wear, pressing and cleaning." Rights of patent 3,060,551 were assigned to the U. S. Army.

The material is "a mixed wool and artificial fiber fabric having characteristics substantially equivalent to an all-wool fabric," the patent stated.

## Other Significant Patents:

An infrared missile detection system for scoring missiles by recording the infrared energy of a passing missile. Rights of patent 3,061,727, granted to Irving Roth, Williston Park, N. Y., and Robert E. Rachlis, Forest

## GENERAL SCIENCE

# News From Science Clubs

► A STEADY FLOW of reports on interesting worthwhile activities is being received by Science Clubs of America. SCA's headquarters office at 1719 N Street, N.W., Washington 6, D. C., welcomes news of what YOUR CLUB is doing.

Members of the MU ALPHA MU OMEGA at Branson School, Branson, Colo., are busy classifying and mounting 150 animals for the school's zoology collection in addition to individual research projects. Several members and the sponsor took an 8,000-mile collecting trip from Branson to Key West and up the eastern coast to North Carolina. They state that time ran out (as well as money) so they returned to Branson with their specimens.

The CHEMISTRY CLUB at Ebenezer High School, Dalzell, S. C., holds special science programs for parents and students in other schools.

BIONEERS of Mt. St. Mary Academy, Newburgh, N. Y., used some of their summer vacation to present cancer panel discussions in other cities.

The most successful activities of the TALAVERA PROVINCIAL HIGH SCHOOL SCIENCE CLUB, Nueva Eciija, Philippines, are holding a local science fair, helping to make the community beautiful

Hills, N. Y., were assigned to Bulova Research and Development Laboratories, Inc., Woodside, N. Y.

For skiing enthusiasts, a concealed attachment for securing a ski boot to a ski without the strenuous efforts required in previous attachments. Inventor Henry P. Glass of Chicago received patent 3,061,325.

• Science News Letter, 82:318 November 17, 1962

## GENERAL SCIENCE

## Sweden Affiliates With National Science Fair

► THE SWEDISH National Science Fair has affiliated with the National Science Fair-International, and will send its top exhibitors to the 14th NSF-I to be held in Albuquerque next May, according to Dr. Watson Davis, Director of SCIENCE SERVICE, which administers the international science competition.

Regional science fairs in Goteborg, Stockholm, Malmo, Orebro, Sundsvall, and possibly Linkoping will be represented in the nation-wide competition to be held at the Tekniska Museet in Stockholm next spring. There, delegates will be selected to represent Sweden at Albuquerque.

Sweden joins the United States, Japan, Canada and dependents' schools in Europe in this growing international program designed to increase scientific understanding and interest among talented secondary school students everywhere.

Many other nations have launched science fairs which plan future NSF-I affiliation.

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and sanitary, and making the public more science conscious.

The TRISIGMA SCIENCE CLUB of St. Stanislaus High School, Detroit, Mich., report its most effective club program is having returning alumni members speak on scientific career opportunities.

Members of the WISEWELL SCIENCE CLUB of Wellesley High School, Wellesley, Mass., cooperate with the Town Conservation Council and are taking town bird and plant census. They have also organized a Science Quiz Team and direct the annual school science fair.

The STUDENTS OF SCIENCE CLUB of Salem High School, Morgantown, N. C., have been successful with community field trips after school and on weekends, sponsorship of the local science fair and presentation of demonstrations. Each year this club has two social meetings for members.

A three-day weekend field trip to Woods Hole Oceanographic Institution was made by the MARINE BIOLOGY CLUB of Greenwich High School, Greenwich, Conn.

The STAR GAZERS of Meade Memorial High School, Williamsport, Ky., hold a science exhibit for the public and are responsible for the school intercom system.

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