### Bullet-Proof Vest, Cup Of Tea: Come From Ceramic Materials

NEW YORK - A built-proof, west and a seaup might seem to have little to common. But there is a common denominator-both can be made of ceramic materials.

New potential uses of ceramic 'materials range from armorplate for aircraft, helmets, tanks, personnel and weapons - carriers to patrol boats. Bullet-proof vests are capable of stopping, 30- and .50-anibor armorp-piercing builted fired at point-blank range.

New potential uses a carriers to patrol with the control of the control of the composite of the principle of the composite materials to make items that have builted-stopping capabilities. The strength is made possible by combining the advantages of different materials into one-a composite. For instance, borno carbide, sillicon carbide and alumnian or alumnium oxide ceramic materials are used today with fiber glass backing for armor.

A GROWING NUMBER of leading companies are develop-

A GROWING NUMBER of leading companies are developing and producing armor materials and devices for the armed forces.
Some of them are: the Norton Co., Carborundum, PPG Industries, Aeroject General, Goodyear Aerospace, Uniroyal, Coors Porcelain, AVCO, Union Carbide, Reflective Laminates

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and Whittaker.

Ceramic armor attracted the attention of the armed forces a little over four yearsago.Some \$24 million was spent, but no body armor orders were issued in the first size at \$110 million for this area from June, 1965, to De-

# Jr. Bowlers Honored By Managers Koladitej, Barry Lee, Russ Fertitta and Rick Modien. Prep Diviston (e-1e). Livonis Lanes - Mike Lacheman, Kotth Payne, Steve Macka, James Costa, and Steve Winkler. Other participants who won local bowing championships were: Merritbowl Lanes - Teen Division - Cindy Smith, Cheryl Mahoney, Jan Haigan, Carole Ross and Gary Schurman, Prep Division - Larry Morgan, George Herman, Jackle Presson, Karen Hammewald and Gree Coiling.

The Livonia Junior Bowling Leagues had their climax last week with banquets held for each bowling establishment.

The program, sponsored by the Livonia Recreation Depart-ment, had the largest attend-ance comprising of 800 boys and girls from eight to 17 years since the league was organized

In its initial organization, participation by the city in bowling activity was stimulated by Eddle Edgar, then Director of the Bowling Proprietors of . . .

THIS PROGRAM coordinated since its existence by Bill Zirblis, Assistant Superintendent of Parks and Recreation, has grown from 150 participants to its present popularity.

The success of the program, with the help of parents, was directed by leaders at the establishments:

Helen Shabils and Marie De-frain of Merribowl Lanes; Lois McAllister, Warren and Cass Hoffman of Livonia Lanes; Mar-garet Coleman, Doris Bogolia and Doris Egan of Wonderland Lanes; and Alice Carr of Cloverlanes.

At the conclusion of the sea-son, bowling establishment win-ners competed in the rolloffs to determine city champions which were as follows:

Teen Division: Wonderland Lanes - Larry Mahar, Keith



POACHED PEARS SUPREME (Serves 6)

Gerres 6 3 cups water
2 cups water
3 cups water
6 Bosc or Florello pears
Comb in ewater, sugar
and van illa in saucepan.
Boil 10 minutes. Re duce
heat. Peel pears and coat
them with lemon juice. Add
pears to syrup and cook until they are tender, about 30
minutes, depending on the
3 cups water
4 cups water
4 cups water
5 cups water
5 cups water
6 cups w

year.
PRICES FOR personnel cer-amic armor vests range from \$250 to \$750 depending on the material and the intended pur-

pose. Between 20,000 and 30,000

Between 20,000 and 30,000 ceramic vests are in use in Vietnam, Most, if not all, are used by crews of aircraft. The Army recently ordered 2,050 vests for field evaluation for possible use by ground forces at a total cost of \$1.5 million from the Carborundum Co. No advanced armor of this type is in use in Koros total type is in use in Koros total type in the control of the contro

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**PORCHES** 

George Herman, Jackle Peterson, Karen Hammewald and Greg Coiling. Livonia Lanes: Teen Division - Don Geiger, Dave Anderson, John Seedati, Ken Minleily and Alex Fanas.
Clowerlanes: Prep Division—Ted Parsons, Doug MacDonald, Doug McDowell Dave McDowell and Glen McRae.

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