1234 FLIGHT International, 30 September 1978

What' s ne w

A safety device which identifies under-
inflated tyres has been introduced by
Dunlop Aviation Division (Holbrook
Lane, Foleshill, Coventry CV6 4AA;
telephon e 0203 88733). The Dunlopressor replaces standard valve caps, and! a red pop-up spigot gives easily visible indication. Extremely sensitive to pressure drop, the device cannot be reset until the tyre has been correctly inflated.

ICI Fibres (Millbank, London SW1P 4QG; telephone 01-834 4444) and RAE Farnborough have developed two new materials for fire-protection aboard military aircraft. Promel lines the interior of rigid and flexible fuel tanks. Composed of melded nylon fibres, the low-density material (8-5gm/lit, 0-51b/ft3

) occupies 0-75
per cent of the tank volume and re-tains some 2-25 per cent of the fuel, thus limiting loss of available fuel to only three per cent. Although several times more costly than polyurethane, the material is lighter and has double the temperature tolerance of polyure-thane when immersed in fuel. ICI claims that it provides maintenance-

free, fit-and-forget protection.
Atomei is a complementary product for use in dry bays around fuel tanks. This polyester-based, melded fibre is designed to suppress fuel fibres re-sulting from tank punctures below fuel level. The low-density (16 gm/lit, lib/ft3

) flexible material does not
absorb water and can be laminated and machined. It is supplied in blocks tailored to fit exactly into dry bays. US distribution is through ICI Americas (New Murphy Road and Concorde Pike, Wilmington, Delaware 19787); Intertechnique (BP 1, 78370-Plaisir, France) and FPT Industries (Portsmouth Airport, Hants P03 5PE) distribute outside the USA.

Emro Engineering (PO Box 536, Sum-mit, NJ 07901; telephone [202] 772 5003) has introduced the Model 2000-C centrifuge, the first of which has been completed for the Republic of Korea Air Force. The 20ft-radius centrifuge accepts a gross payload of 7001b at 15g, while the 50 h.p. drive provides an average onset rate of l-2g/sec with a 3251b payload.

Marte-x Safety Products (1A Paine Ave, Irvington, NJ 07111; telephone [201] 373*7455) has developed Ferrox, a non-slip floor coating for use in air-port-terminal pedestrian areas. The abrasive compound resists oil, water, grease and chemicals and can be applied by trowel or roller on wood, metal or concrete. It is available in yellow, grey, green, black and tile red in one and fivt-gal containers.

Fram Industrial (Llanrrisant, Ponty-clun, Mid-Glamorgan CF7 8YU; tele-phone 0443 223000) has received approval from the American Petro-
leum Institute for its horizontal filter/
separator units for airport fuel stores
and refuellers. The w* jle range of
Fram units has now been approved

These results of fire trials by RAE Farnborough show clearly how ICI Fibres' new Promel material (see news item) absorbs the heat energy from an incipient explosion. A steel tank containing Avtag vapour and air was filled with 55mm Promel cubes. Two rounds of 12.7mm armour-piercing incendiary tracer were fired into it from short range under standard test conditions. The first round produced a pressure rise of about 3-Slbjiri1

, but there was no increase from the second
round. The heat energy dissipated through the Promel, fusing the cubes into a cohesive mass

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The Dunlopressor, Dunlop's visual pop-up indicator which warns of under-inflated tyres

under API 1581 Group 2, Classes A, B and C.

British Aerospace Dynamics has taken delivery of a mobile environmental chamber from Watford Refrigeration (Wiggenhall Industrial Estate, Wat-ford WD1 8AW; telephone 0923 27726). The chamber can maintain temperatures of — 60° C to 70° C in an ambient temperature of 40°C, and internal loads can be heated or cooled through the complete range in six hours. The manufacturer produces chambers offering a -100°C to 100°C range, with humidity control to with-in 5 per cent.

Who' s selling wha t

Sabena (35 rue Cardinal Merrier, 1000-Brussels, Belgium; telephone [2] 511 09 60) has received contracts worth RFr35 million (£570,000) for the supply of two open-cockpit trainers: one for Kuwait Airways 747s and one for JAT DC-lOs.

The Australian Department of Trans-port has received eight of the ten air-port fire tenders ordered from Walter Trucks (School Road, Voorheesville, NY 12186; telephone [518]765-2321) at a cost of $Al-5 million. The ten-ders will serve at the airports of Melbourne, Sydney, Canberra, Hobart, Launiceston, Adelaide, Darwin, Bris>- bane, Mt Isa and Coolangatta.

Philips Telecommunications (PO Box 32, 1200JD Hilversum, Netherlands; telephone 35 891850) has received a $15-5 million (£8-3 million) contract to modernise and expand communica-tions, radar, navigation and surveil-lance equipment at Paraguay's Asun-cion International Airport, and the en route facilities within the Paraguay FIR. Personnel training and six months' maintenance will be pro-vided.

Integrated Computer Systems Pub-lishing is running a number of com-puter-related courses in European capitals this autumn and winter. Sub-jects include computer graphics, digi-tal signal processing, fibre-optics communications systems, micro*