

Published by
Publicity Department,
Ruston Paxman Diesels Limited,
Vulcan Works,
Newton-le-Willows

Editor: Ray Williamson

Issue No. 4 August 1974

VULCAN NEWS

Cuban Visit to Vulcan



On a recent visit to Vulcan Works, Mr. Mas, Director of the Cuban Ministry of Shipping, currently visiting England, was taken on a tour of the works to see the range and types of diesels produced. Seen, from left to right, are Mr. M. E. Barham, General Sales Manager; Mr. Mas; Mr. A. Wright, Marketing Manager; Mr. H. P. Brown, London, Marine Manager; Mr. Moreno, Technical Adviser to the Ministry and Mr. J. J. Keefe, Assistant Marine Sales Manager.

DIESEL MOTIVE POWER COURSE WELCOMED AT NEWTON

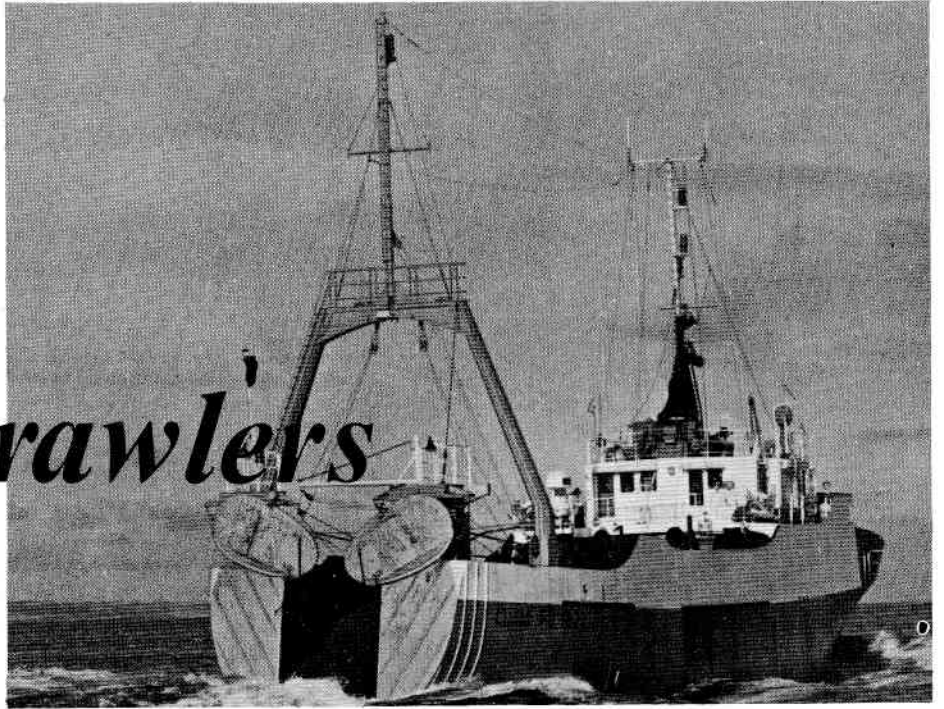
The picture shows course members, all from overseas, with their guides on arrival at the Works on Monday 15th July.

This course was organised by the Railway Industry Association of Great Britain, in collaboration with the British Railways Board, and with the support of the Ministry of Overseas Development and the British Council.

The purpose of the course was to pass on to interested overseas railways the knowledge and experience of British experts on all aspects of diesel motive power acquired in supplying to British Railways and railways throughout the world during the past 40 years several thousands of main line diesel locomotives, multiple unit trains and diesel shunters.



The power behind the top trawlers



We're all familiar with the 'Top of the Pops' in the musical world but did you know we also have ratings in the fishing world. Current in the 'top trawler' charts are eight trawlers powered by Ruston Paxman diesels. Number one is the *Jacinta* with a year's catch worth £388,406, 'Top of the Cops' in Britain and her home port, Fleetwood, also leader with the highest daily average.

Jacinta built by Clelands at Wallsend, owned by J. Marr & Son and skippered by Bill Taylor, is fitted with an English Electric 12 cylinder RK engine rated at 2640 bhp at 900 rev/min.

Other Fleetwood entries in the 'top trawler' charts are *Irvana* (skipper Jim

Laird, £339,339) and *Fyldea* (skipper Victor Buschini, £338,224). *Fyldea* also has another claim to fame - between 1st April 1973 and 31st March 1974 she brought back catches worth £432,169 producing a record for any British trawler.

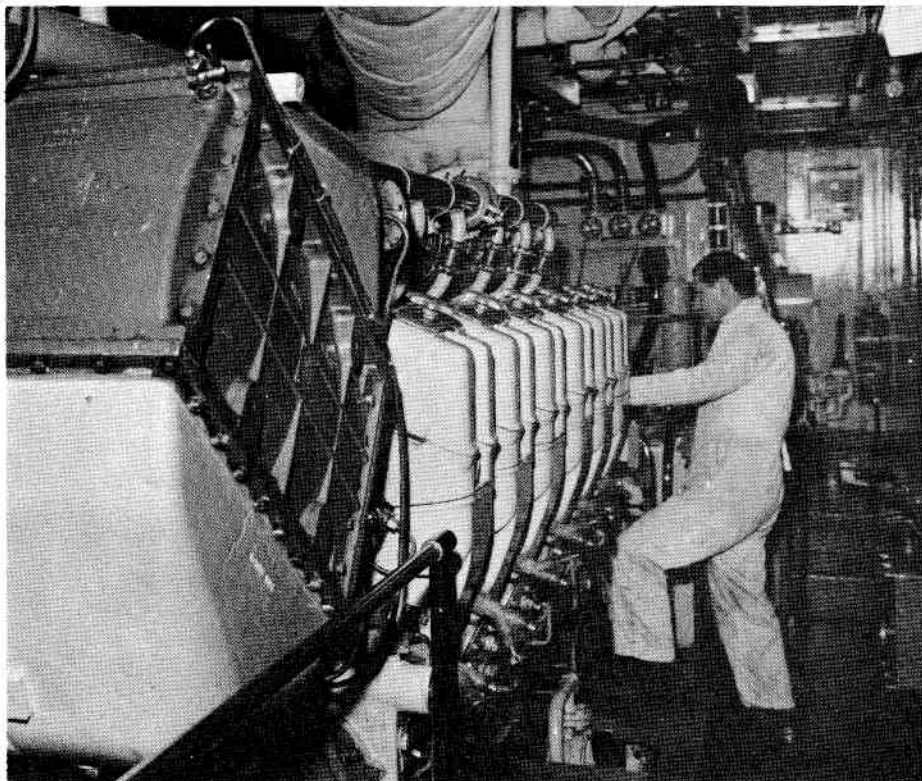
Travelling up to Scotland for our chart ratings we find this year's number one in Aberdeen is *Grampian Monarch*, who in her first year in service grossed over £250,000 and is this year's leader with £280,000.

Now over to the East Coast area where Ruston Paxman diesels powered all three of Lowestoft's leading trawlers.



(Top): 'Fyldea' leaving Fleetwood with a fair turn of speed.

(Above): Victor Buschini, skipper of the record breaking 'Fyldea'.



(Left): Engine room of a Fleetwood based trawler showing the 12RK engine.

Suffolk Challenger, top ship for three successive years – a port record – which this year netted £162,514 and *St. Thomas*, £154,959, both have six cylinder Ruston ARM engines of 1350 bhp at 750 rev/min. *Suffolk Challenger*, built by Appledore Ship Builders Ltd. in Devon, is owned by Small & Co., and her skipper is R. Saunders. *St. Thomas*, from Richard Dunstan Ltd.,

at Hesse, is owned by Colne Fishing with D. Beresford as skipper.

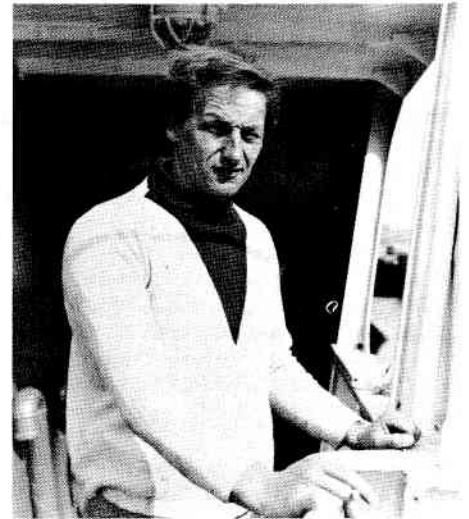
The third of our East Coast trio is the *Boston Sea Dart* with a total catch of £145,593. This vessel is fitted with a six cylinder RK engine, rated at 1320 bhp at 900 rev/min. Paul Meen skippers this Scottish built trawler which is owned by Boston Deep Sea Fisheries.

At our final port of call, Grimsby, the top rated trawler *Ross Renown* came from the Selby Yard of Cochrane & Sons. Owned by Ross Trawlers with skipper Barry McCall on the bridge and two six cylinder Ruston AT engines providing power down below, *Ross Renown* netted £387,027 worth of fish.

We certainly hope our engines will be as well up in the charts next year.



Skipper Paul Meen and the 'Boston Sea Dart'.



'St. Thomas' and skipper D. Beresford.



Skipper Bob Saunders and 'Suffolk Challenger'.



'Angela's a Knockout Too'—



Pictures by courtesy of Newton and Colborne News

Miss Vulcan (Angela Dobson) made a happy armful for Warrington Rugby League star Bobby Wonbon as she held aloft the 'It's a Knockout' Cup.

Angela Dobson, a 29 year old stock control clerk, became the new Miss Vulcan in May, elected by the votes of a five-strong panel during a successful 'Its a Knockout' competition at the Ruston Paxman Sports Ground.

There were eight entrants and Angela, who has worked at Vulcan for three years and lives at 8 Park View, Abram, Near Wigan, was a popular winner.

It was a good day for Vulcan, who emerged triumphant in the competition

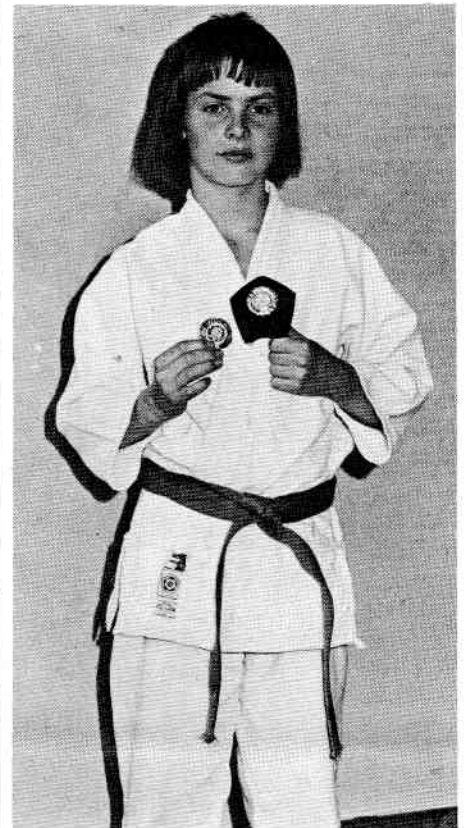
games, beating challengers from Simon Vicars, McCorquodales and Sankey Sugar. Five-a-side football, tug o'war and other games were organised, naturally enough on a knockout basis, and gave fun and laughs to the contestants and the crowd of 3500 spectators.

Field manager, Alan Farrimond, admitted that he had been agreeably surprised at the number of people who turned up. It is hoped that the event will be staged regularly.



Gaynor Ferguson from Spares Department and Susan Blakely from Purchasing wielding a nifty bat during one of the 'It's a Knockout' games.

Garath has Success Under His Belt



After only three years in Judo, 12 year old Garath Mangnall, son of Graham Mangnall, who is a draughtsman in the Boiler Division, is already a Junior Brown Belt and British Junior Champion at his weight.

Garath is fortunate enough to be coached with St. Helens YMCA by Jon Rotherham, Third Dan and International Welterweight, one of the best coaches in the country. Garath is obviously taking full advantage of the opportunity and achieved his latest success in the under 40 kg class Amateur Judo Association Championships of Great Britain, held at the National Sports Centre in Cardiff in June.

He qualified through the North West Area Championship at Manchester in February, having to beat 18 opponents in a knockout competition which gave him his first fight at 10 o'clock in the morning and the last one at seven o'clock at night

The AJA has now embarked on a scheme to sponsor promising youngsters at International level with the prospect of competing on the continent later in the year.

Garath's ambition is to fight for his country at the Olympics; apart from that he is a scholar at Selwyn Jones High, School Newton-le-Willows where he is no doubt treated with respect by his classmates.

RUSTON ENGINES IN NORTHWEST CANADA

If you get a good map of Canada and trace the Yukon River northwest from Dawson City to the Alaska border you will find a tributary named the Forty Mile River. Just west of it lies the tiny mining town of Clinton Creek.

The sole reason for its existence is the asbestos deposits mined by the Cassiar Asbestos Corporation. Townsite - the homes of the community - and the mine site ten miles away are powered by Ruston 9ATC sets. These were supplied in 1957 and 1958, when our Canadian Company, Ruston Diesels Ltd., of Toronto, won the contract to supply the whole power plant, other than foundations and building.

In spite of its isolation, Clinton Creek is a lively community, and fascinating details of life there have been passed to the 'News' by Mr. J. H. Edlund, Managing Director of our Canadian company.

Clinton Creek's population - rising 400 - is only slightly less than one per cent of the total population of the Yukon Territory and the North West Territories combined, an immense area.

During the winter the thermometer plummets to minus 70°F, 102 degrees of frost. Minus 40°F is quite common.

Clinton Creek supports a homespun newspaper each month with the title 'Rock Fluff'.

Included in the January issue, with reports of local events, sports news, highly significant personal paragraphs ('Who is the fellow who offered one girl a trip to Vancouver while kissing another?'), and helpful hints on how to survive in the Yukon, is an article 'A word about our power supply'.

This explains how electrical power is generated at the Clinton Creek power-



house by five Ruston 9ATC diesel engines, directly connected to five alternators capable of delivering 1400 kW of power at 416 volts, 60 cycles.

Average load to operate mine, mill and plant site services with all equipment working, is 3600 kW per hour, plus the swings of a shovel which can amount up to 500 kW.

The town site and powerhouse service require a varying amount, averaging 450 kW.

'These figures vary a good deal over the period of a year, because the ambient temperature causes considerable load changes' explains the article. 'When the weather is extremely cold,

the load increases, because more heat is required, machinery is stiffer and electric motors work harder'.

He goes on to point out that it is not good practice to run any machinery at 100 per cent load continually, so they strive for an average 80 per cent, which gives reasonable fuel efficiency plus good operating conditions.

Four Ruston engines are capable of delivering 5600 kW, 80 per cent of that is 4480 kW so, the writer says, they operate Clinton Creek mine, mill plant-site and townsite on four Ruston units on line.

On maintenance days in mill and mine, units are taken off load and only sufficient power is left on to maintain as nearly as possible an 80 per cent load factor.

'Under these operating conditions, the engines are run about 5000 hours a year,' the article goes on, 'When an engine reaches this number of hours it is overhauled and completely checked for wear, necessary parts are replaced and the engine made fit for another year of service.'

'As well as the major overhaul, the engines are serviced every 500 hours.'

'Four powerhouse operators work round the clock, checking and recording electrical output, engine temperature and pressure.'

'It is their job to make sure that we have a steady supply of electricity for the whole Clinton Creek operation plus steam for the townsite' it concludes.

Here, in the relative heat of Newtonle-Willows, we are proud to produce engines that appear to be as tough as the men who use their power.

ROCK FLUFF

CLINTON CREEK, YUKON.

VOLUME 3. ISSUE 28 de omni re risibili et quibusdam aliis

JANUARY 1974

DON'T USE THE WATER

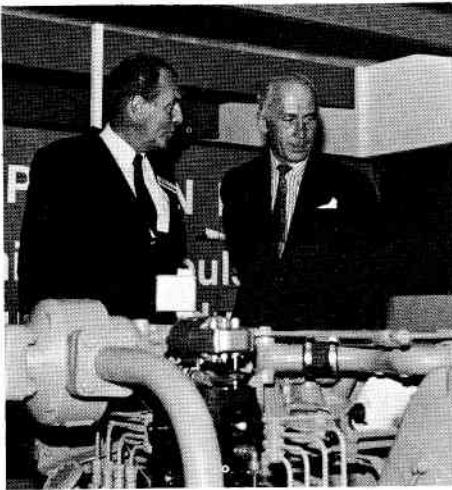
Clintonites formerly utilized about 170,000 gallons of water per day. But then our water source, the Forty Mile River, let us down. Though there was water in the river, there was not enough at the intake culverts of our wells to supply our needs.

The water level in the Forty Mile River is always low in winter but this year in January it reached a level not usually arrived at until March, before the spring break-up replenishes our dwindling supply.

During the week of January 14th the water level in the Forty Mile began to rise.

pull the tankers and Transport Division supplied three drivers and Gillespie one driver also

ON SHOW TO THE WORLD



Taking the product to the people is undoubtedly one of the best ways to sell, particularly in the export field, and the Company takes advantage of every worthwhile chance to take part in exhibitions in many parts of the world.

These involve careful selection of engines and other equipment from the production departments and close liaison to ensure that suitable exhibits can be made available. After that, the transportation of these weighty pieces of machinery, their installation in exhibition halls and their integration into display stands which must be

arresting and attractive, require a lot of planning and the ability to cope with unexpected snags.

The two pictures were taken during a recent successful venture in Greece, when we exhibited at Posidonia 74, the International Shipping Exhibition, Athens.

The larger picture shows His Excellency Admiral Skiadopoulos, Secretary of State in the Greek Ministry of Mercantile Marine (in dark glasses), in animated discussion with our General Sales Manager, Mike Barham.

In the smaller picture George Funnell, Marine Sales Manager, talks with the British Ambassador to Greece, Sir Robin Hooper (right).

Other fixtures on the exhibitions list include the Offshore North Sea Exhibition in Stavanger, Norway in September and the International Offshore Exhibition in London a month later. At both of these shows we plan to exhibit a 12 cylinder RK engine, one of eight which we are supplying for drilling rigs being built in Finland.

Participation in these major events reflects the Company's determination to seize every opportunity to win as big a share as possible in the booming business of finding and producing oil and natural gas, for which our engines are ideally suited.



Gala Performance

Blustery weather did nothing to help the attendance figures at this annual event and it also prevented the 'Friends' free fall parachute team from dropping in. Nevertheless, there was plenty going on and an enjoyable time was had by all.

Angela Dobson (right), the reigning Miss Vulcan travelled to the event in style in the vintage Ruston-Hornsby tourer, built by Ruston & Hornsby Limited in 1920.

On her arrival, Angela was presented with a bouquet of flowers by Michaela Hill, aged 4½, the daughter of Brian Hill, paintshop foreman, who is a member of the general entertainments committee.

Among the other attractions, the balloon race was a popular item with the children and this year three balloons were received back from France. The winner being found at Nesle on the river Somme. This balloon travelled a distance of 400 miles and was released by Anthony Hart of Grappenhall.

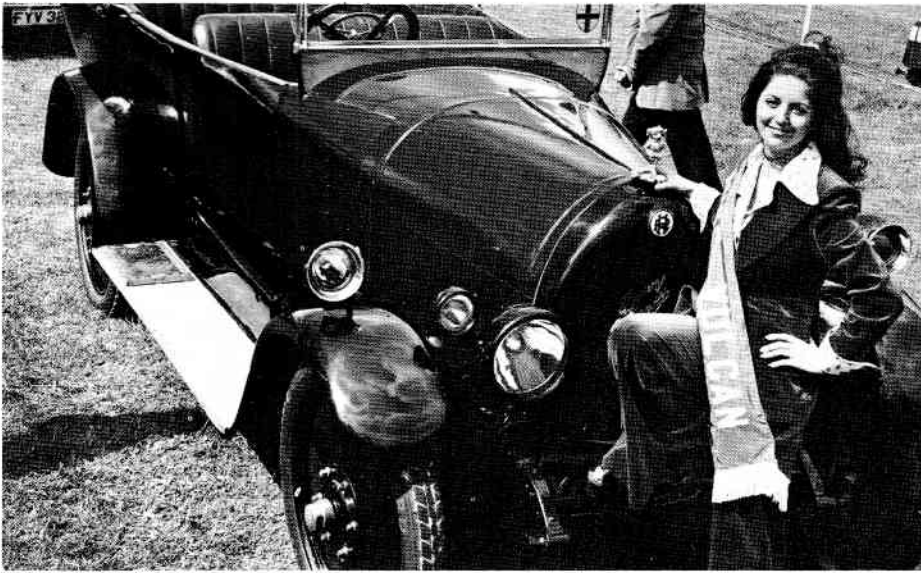
The boys of Red Bank School gave us a splendid physical training display and there was also a display of Irish dancing by a local team.

The dog handling team from the Risley Remand Centre put on a fine display and Mr. J. D. Sword presented Officer Price, the leading dog handler with the 'Vulcan Shield', which is to be competed for annually.

Mrs. Sword later presented the cup and rosettes to the winners of the Foxhunter class whilst Angela Dobson presented the prizes to winners of the Open Jumping Competition.

Throughout the afternoon there was plenty of opportunity for employees children to let off steam in the various athletic events which were very well supported.

Another steam raising effort of note was the 'engineering section' which attracted more than its share of enthusiasts. Dr. Bradshaw was kept on his toes with his splendid exhibits. One of these was the Ruston Proctor Agricultural type traction engine built in Lincoln in 1913. Another exhibit, the Hornsby Ackroyd 'hot bulb engine' was a great attraction. This engine was built in 1893 and runs on paraffin. It was the very first compression ignition engine to be built. It is interesting to note that engines of this type were used for many duties, such as driving farm machinery and pumps, and one was installed in the Statue of Liberty to generate electricity.



Picture by courtesy of Newton Reporter and Guardian.

Engineers Win Awards for Best Paper

Two Ruston Paxman engineers recently received an award from the Institute of Marine Engineers for the best paper presented during the International Marine and Shipping Conference in 1973. The paper, entitled: "Geared propulsion systems using engines of 745-3730 kW (1000-5000 hp)," was the joint effort of Dr. R. V. Hughes, Technical Director and David Gillespie, Chief Applications Engineer. David is shown here receiving a silver rose bowl from the Institute's President, Dr. S. Archer.

RECENT RETIREMENT AND LONG SERVICE AWARDS



Retirements: N. Green, Draughtsman, (37); H. Haith, Publicity Officer, (36); F. Hedingham, Buyer, (33).

Long service: L. F. Rapson, Chief Buyer, (36); V. Atherton, Senior Trg. Officer, (32); R. Mercer, Senior Trg. Instructor, (34); H. W. Travis, Chief Estimator, (36); H. C. Walker, Service Engineer, (32); I. W. Evans, Snr. Erection Engr., (33); B. J. Pretty, Service Engineer, (38); G. Taylor, Prod. Manager, Boiler Division, (33); E. Rowe, Asst. Superintendent, (33); W. A. Simpson, Ldg. Draughtsman, (32); J. Stirzaker, Section Leader, Planning, (33); L. T. Southward, Planning Engineer, (33); T. E. Greenwood, Foreman, (33); A. Lyon, Product Programming Manager, (33); H. Gillat, App. Engineer, (33); F. D. Fisher, Asst. to D.O. Mgr., (35); W. J. Matthews, Design Engineer, (36); J. F. Streeton, Ldg. Draughtsman, (34); R. W. Sherlock, Senior Contracts Engineer, (31).



ORDER FOR 24 ENGINES

Govan Shipbuilders, on the Clyde, have placed an order for 24 Ruston 6AP2Z engines for delivery between September 1975 and November 1976. The engines are to be used for ship-board auxiliary power generation on further Govan class, 26,000 ton bulk carriers, three engines per vessel.

Ruston engines are used for power generation on the majority of this well tried class of ships.



Retirements: H. Hibbert, Truck Driver, (46); J. V. Biggs, Labourer, (40); J. Duddle, Rope Splicer, (28).

Long service: F. Russall, Fitter, (31); J. N. Mort, Driller, (32); G. Haselden, Slotter, (33); E. Green, Turret Op., (34); J. Hindle, Foreman, (36); G. J. Hindle, Superintendent, (33); H. Bedworth, Tool Room Grinder, (32); E. Angus, Fitter-Blr. Div., (34); H. Chisnall, Fitter-Blr. Div., (34); S. Morris, Inspector, (33); J. R. Smith, C/H Electrician, Blr. Div., (32); W. C. Pearson, Sales Engr. Blr. Div., (37); R. Isherwood, Sec. Leader-Plant D.O., (34); J. Mawdesley, Eng. Assistant, (34); W. Hilton, Toolroom Fitter, (33); F. Wylie, Motor Mechanic, (34); V. Greenwood, Fitters Mate, (34); D. Wright, Crane Fitter, (36); J. Warburton, Welder, (34); E. McMinn, Fitter, (32); J. Clarke, Foreman, (33); A. Waterworth, Training Supt., (32).

The Next News

All contributions—news, pictures, ideas—for the next issue should be sent to the editor Ray Williamson, Publicity Department.

Football

Football team notch a double

Vulcan FC scored a memorable double last season, ending as champions of Warrington and District Amateur Football League (Premier Division) and winners of the Guardian Cup, a dual record never achieved before.

The Guardian Cup fell to them on Easter Monday, when, during extra time after an exciting first 90 minutes, they beat Garswood United 2-1 with a well-taken penalty.

This was compensation indeed for their defeat, on Good Friday, by Colne Dynamo, who clinched the final of Lancashire Amateur Knockout shield by four goals to one.

This has been an outstanding season for Vulcan, who intend to maintain their position in the future,



A smiling Richie Percival receives the Guardian Cup.



Dennis Richards makes no mistake with the extra time penalty that brought success.

Pictures by courtesy of Warrington Guardian.



Eric Howard gets well on top of a defender to head Vulcan's equaliser.



In a goalmouth melee, with the goalkeeper beaten, Peter Nolan's header is punched clear by a defender.

Archery

New Course for Vulcan Archers

Vulcan Archers have obtained the use of a stretch of land and wooded area at Lowton for a Field Archery course, which is now virtually laid out to conform with Field Archery Regulations. Most of the Club's members use the course quite frequently but still hold practice sessions on the Sports Field on Wednesday evenings, when beginners and new members would be most welcome.

It is well worth noting that one of the Club's junior archers, John Jameson, has obtained some excellent results in his first attempt at Field Archery. He has entered five competitions up to date, and won three trophies, consisting of two medals and a plaque, these were for the highest score best junior bare bow at Foxhill Bowmans shoot at Clayton-le-Moors, Royal Lancs. Archers at Preston and a Field Shoot at Sandbach, Cheshire.

If anyone is interested in trying their skills at Archery they should contact K. Cockburn, A.E.D. Ext. 489 or A. Grant, Boiler Division Development Ext. 323, for further information.

