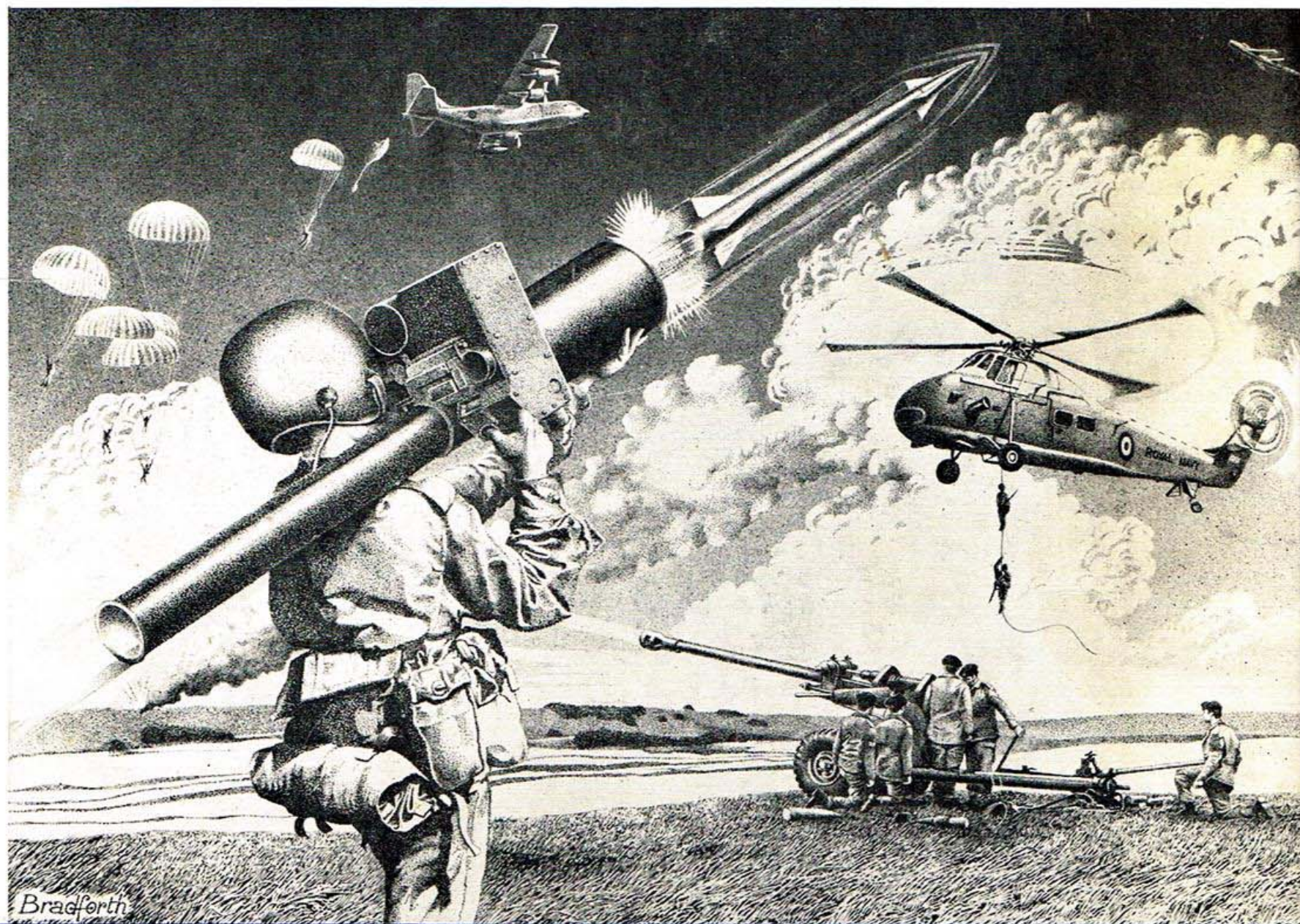
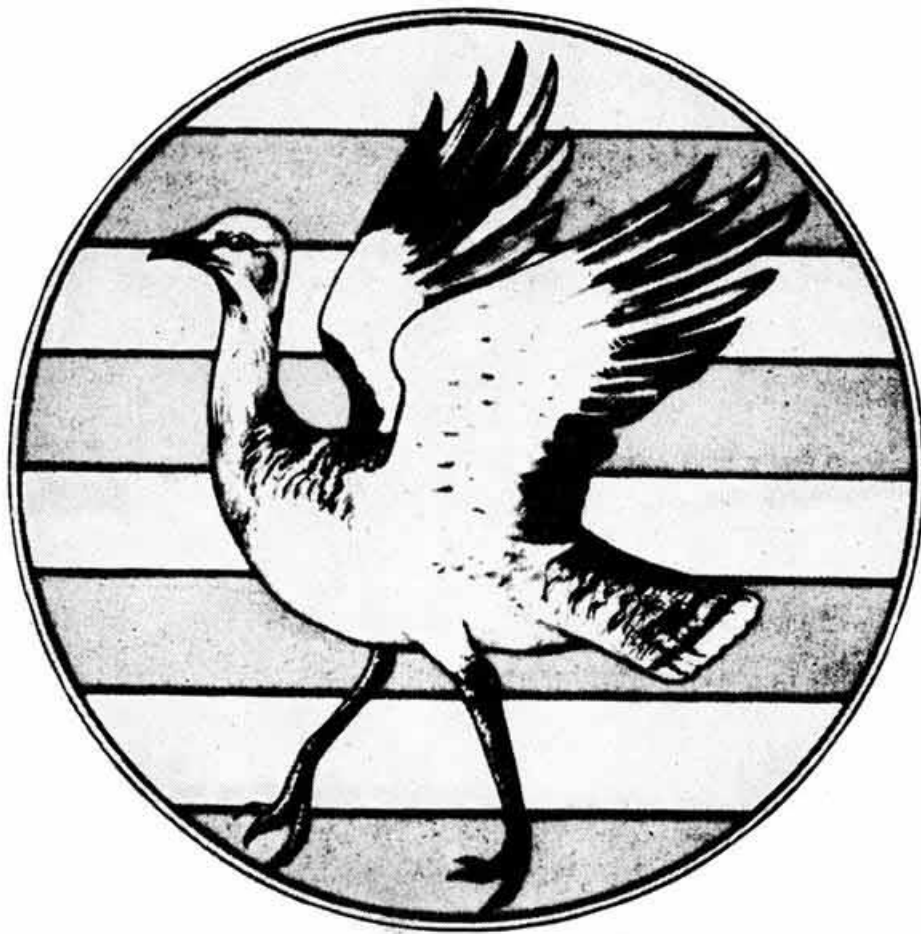


ARTILLERY DAY LARKHILL 1974



SOUVENIR PROGRAMME



*The Royal School of Artillery was granted the use of the
County Badge by the Wiltshire County Council in recognition
of its 50th Anniversary celebrated in 1970.*

PRICE 25p

After deduction of display expenses proceeds will be given to Military Charities.

Artillery Day
Larkhill
1974

Friday, 12th July

Salute taken by

Brigadier K. J. McQueen

Commandant The Royal School of Artillery

Saturday, 13th July

Salute taken by

Field-Marshal Sir Geoffrey Baker, GCB, CMG, CBE, MC

Master Gunner, St James's Park

SOUVENIRS OF ARTILLERY DAY

(On Sale at the RAA Tent Stand 1)

MODEL GUNS—plated and mounted on black base

<i>25 Pounder</i>	£3.52
<i>105mm Pack Howitzer</i>	£3.87
<i>Abbot 105mm SP</i>	£1.65
<i>M109 155mm SP</i>	£2.01
<i>Bofors Gun</i>	£1.33
<i>18 Pounder</i>	£2.94
<i>5.5 Inch</i>	£3.93
<i>105mm Light Gun</i>	£2.94

UNMOUNTED

<i>Waterloo Cannons (Bassett-Lowke) 6 pdr</i>	£5.86
<i>Waterloo Cannons (Bassett-Lowke) 9 pdr</i>	£5.95

RECORDS OF THE ROYAL ARTILLERY BANDS

<i>'Follow the Guns with the RA Band'</i>	£0.95
<i>'Trumpet and Bugle Calls'</i>	£1.10

ICE BUCKETS (*Replica of Regimental Drum*) £5.14

COLOURED POST CARDS—*Various* 5p

Prices quoted above include VAT and are correct for April 1974. When stocks held at that date are exhausted, adjustments may be necessary in respect of new stock.

Ash trays, Blazer Badges, Bracelet Charms, Brooches, Car Badges, Cuff Links, Tankards, Ties, Table Mats, Silver Plated Goblets and Trays, Identity Card Holders and many other items.

After deduction of display expenses proceeds will be given to Military Charities



The Main Arena Display 1973

FOREWORD

Everyone at Larkhill bids you a very warm welcome to Artillery Day 1974.

We are going to show you something of the present day Royal Regiment of Artillery: both the life we lead, the equipment we man and the way we handle it.

Our motto is 'Ubique' meaning 'Everywhere' and you will find Gunner units with the British Army of the Rhine, with the United Kingdom Mobile Force stationed in this country, in Hong Kong, in Singapore and in Gibraltar. They also form an integral part of the Parachute Brigade and the Royal Marines Commando Forces. We are proud, too, that we have strong representation in the Territorial and Army Volunteer Reserve.

Since the start of the Northern Ireland Emergency five years ago, many of our Regiments have served and continue to serve emergency tours in that Province, as Infantry, leaving their guns behind while they are there. For this reason there are fewer guns and Gunners taking part in Artillery Day this year than we would wish. Also, because of the country's severe economic crisis, the Services are exercising the strictest economies in fuel, in conserving the life of their equipment and in cutting out non-essential financial expenditure. Regrettably this has severely restricted the number and variety of units able to take part here today.

All the ammunition you will see fired against ground targets is 'live'. For safety reasons we cannot bring the bursts any closer, but to understand the effectiveness of the fire we bring down please think for a moment that you are at the receiving end and imagine your feelings and reactions if it came down all around you!

At the end of the firing we will invite you to go into the arena and take a close look at the guns and other equipment and to talk with the officers and men manning them. Please ask them all the questions you want; you will be bound to find somebody from your own home town to talk to ('Ubique' again!).

If at the end of the day you have enjoyed your visit and have seen something of what the Gunners do we shall be happy. And please come again next year on 11th or 12th July.

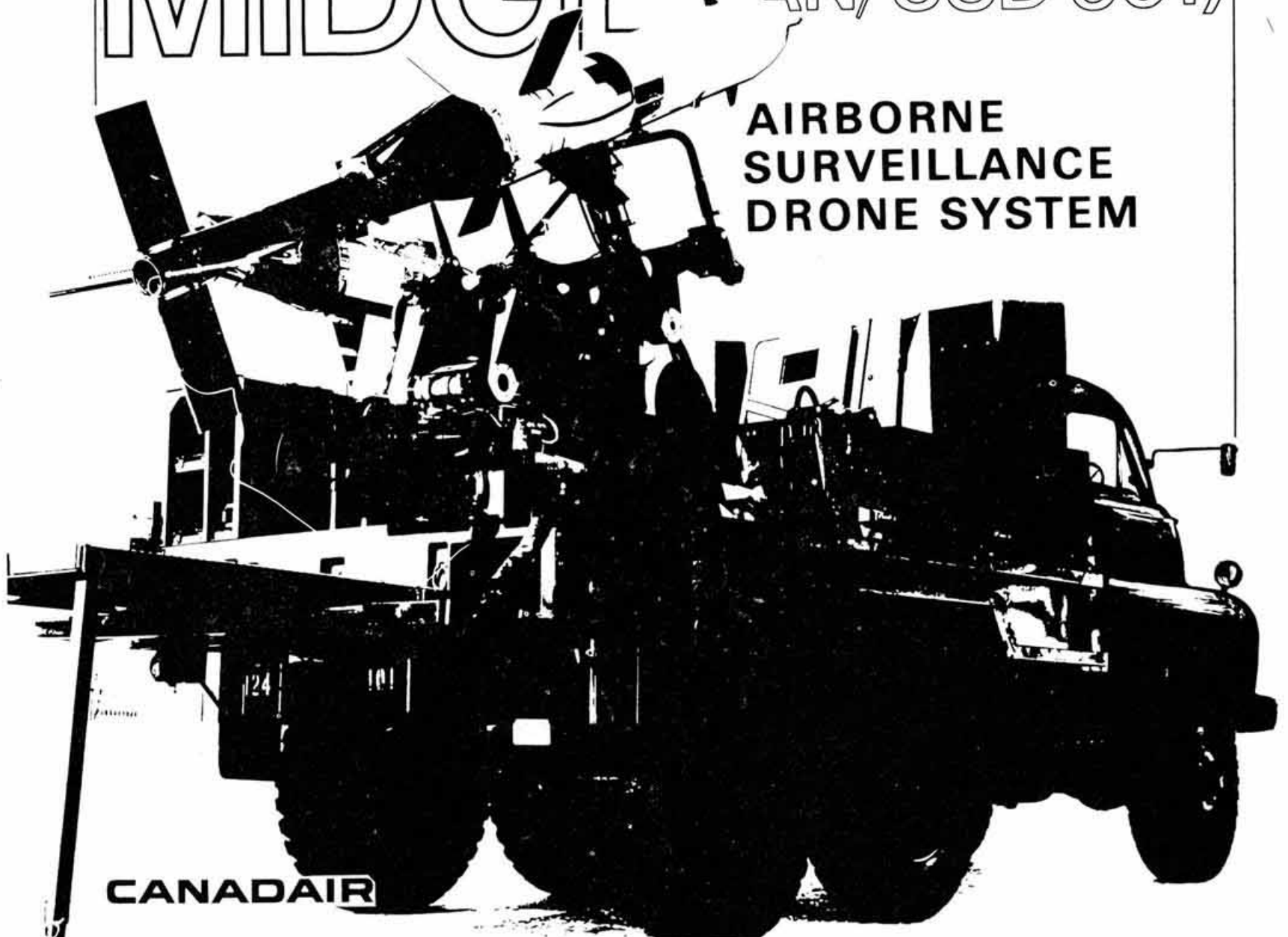
Any young man who would like to know more about the careers, trades and pay open to him in our proud and happy Regiment is welcome to talk to the serving officers and soldiers at the special stands in the main display ground.

BEST WISHES
TO ALL GUNNERS
ON YOUR
ARTILLERY DAY

WE ARE PROUD TO BE ASSOCIATED WITH THE
ROYAL ARTILLERY
ON THE

MIDGE (AN/USD-501)

**AIRBORNE
SURVEILLANCE
DRONE SYSTEM**



CANADAIR

The Abbot SP gun

Vickers Armament Division are the design parents of the 105 mm. Abbot, the best self-propelled gun in the world.



Vickers 

Vickers Limited Engineering Group
Elswick Works Newcastle upon Tyne NE99 1CP



Infantry company radar

- Carried and operated by one man
- Detects moving targets within 50–2000 metres
- All-range search mode for detection of moving targets
- Pulse doppler ranging mode for accurate target location. Direct reading scales
- Confidence check allowing plot of dead ground
- Use by patrols or sentries
- Fully compatible with soldier's battlefield equipment
- Simple all-weather operation
- Mounted on patrol's chest or on a tripod
- All-up weight 8.5 Kg (including battery and tripod)
- Up to 16 hours operation between battery changes
- All solid state
- Advanced robust stripline antenna

Marconi Radar Systems Limited

A GEC-Marconi Electronics Company

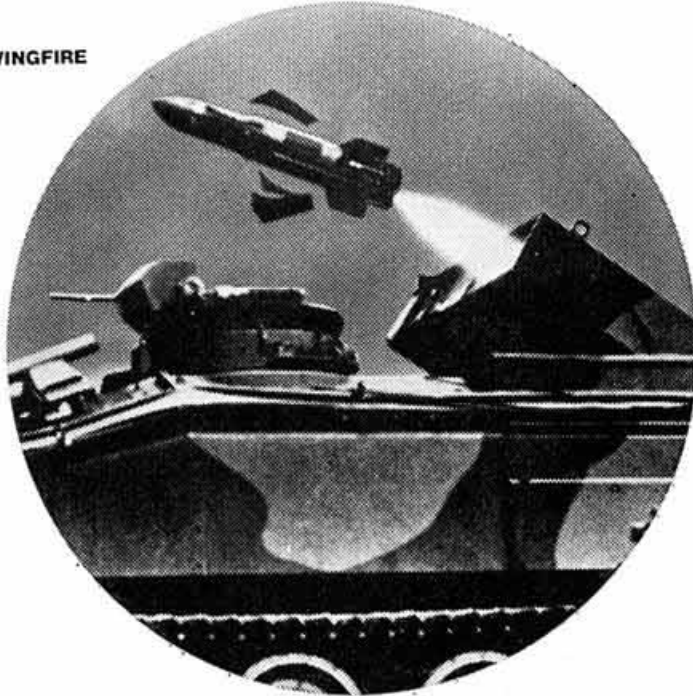
Crompton Works, Chelmsford, England CM1 3BN Telephone: Chelmsford (0245) 67111 Telex: 99108 and 99449

LTD/R14

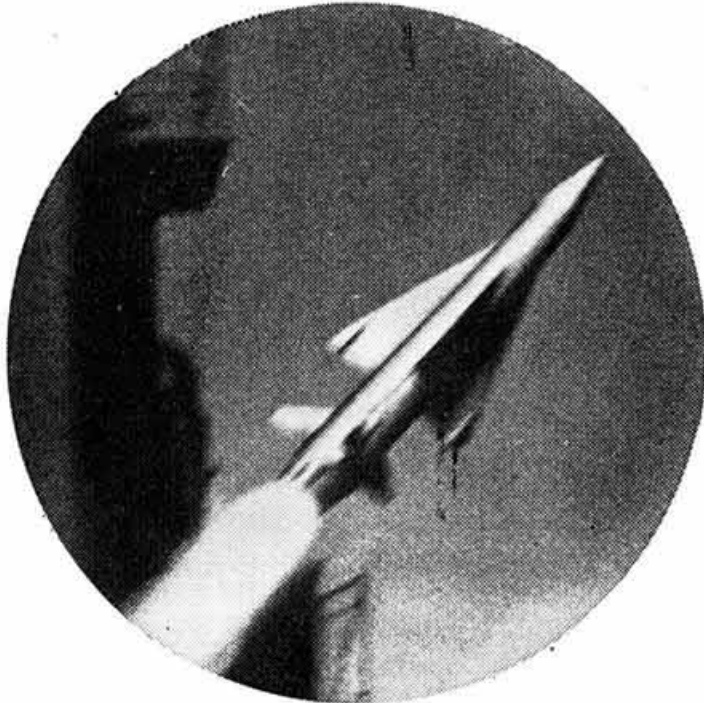
RAPIER



SWINGFIRE



Defensive strength for peace



SEAWOLF

British Aircraft Corporation's advanced tactical missile systems are giving Britain's armed forces a strong all-round defensive capability second to none. The Swingfire long-range anti-tank weapon system is fully operational with the British Army. The Rapier ultra-low-level air defence system is being progressively deployed by the Army and the Royal Air Force Regiment. The shipborne Seawolf will provide Royal Navy vessels with powerful self-defence against a wide variety of anti-ship missiles and aircraft, and a unique capability against small, high-speed anti-ship missiles. A helicopter-borne air-to-surface weapon, Sea Skua, is also under development for the Royal Navy by Europe's most widely-experienced tactical missile engineering organisation - the Guided Weapons Division of British Aircraft Corporation.



BRITISH AIRCRAFT CORPORATION

GWMS

Guided Weapons Division, Stevenage, Herts, England.

Ferranti make the most of fire power.



Pacer muzzle velocity measurement equipment.

The Ferranti PACER is the most convenient equipment yet developed for accurate measurement of projectile muzzle velocity in the field.

Portable.

Will operate from a 24-volt battery and can be deployed and used by one man.

Ready for instant use.

No warming-up period and no in-use adjustment.

Direct reading.

Actual muzzle velocity displayed in metres per second within two seconds of firing.

Security.

Only 1 second radar emission per measurement.

Self-checking.

In-built test facility and automatic check of the validity of results.

Robust.

Fully ruggedised and suitable for field use.

Ferranti Limited, Military Systems Division,
Wythenshawe, Manchester M22 5LA



Advanced military navigation systems.

P.A.D.S. — Position and Azimuth Determining System

The Ferranti P.A.D.S. is a one box, self-contained system which gives continuous outputs of position and orientation. The sensing element is an Inertial Platform which measures vehicle accelerations in axes stabilised by high precision gyroscopes. This data is processed to give position and orientation which is displayed on a Control and Display Panel.

This new Digital Inertial System is designed to operate in the demanding environment of military vehicles. The accuracy is compatible with requirements for artillery survey, target location, mine laying and general navigation.

Suitable for all vehicle types, the Ferranti P.A.D.S. provides rapid automatic alignment and updating and has built-in self-testing facilities. The basic system is in production now.

Ferranti Limited,
Inertial Systems Department,
Silverknowes, Ferry Road,
Edinburgh, Scotland EH4 4AD



Computerised command/control systems.

Ferranti capability in data handling and weapon control systems is equally applicable to land, sea and air forces. The FM1600 series of digital computers is already established with the Royal Navy as the basis for action information and fire control systems in ships and submarines.

The rugged military specification, compactness and flexibility of the FM1600 series also make them ideal computers for command/control applications with land and air forces. Ferranti design systems around these computers to perform whatever action information, data processing and weapon control functions are required.

Such a system has been supplied for use at the Royal Artillery Range, Hebrides, with an FM1600B computer at the centre of the Range Control and Safety System.

Ferranti have been making digital systems for more than 20 years and have first hand knowledge of the services' needs and problems in the field of data handling and weapon control. Ferranti technology keeps pace with rapidly changing conditions and tactical developments, and planning for tomorrow's requirements is an everyday concern.

Ferranti Limited, Digital Systems Division,
Bracknell, Berkshire RG12 1RA

FERRANTI



The Royal Regiment of Artillery

Artillery has played an important part on the battlefield since the Middle Ages and has existed in this country for some six centuries. The early English gunners were civilian craftsmen who made the guns and took them into action when required. It was not until the end of the Fifteenth Century that the first small organised military body of artillerymen was formed to keep watch at the Tower of London. This force was expanded under Henry VIII to man forts round our coasts, but these static duties were of little value in preparing artillerymen for employment in the field. When gunners were needed for specific campaigns 'trains of artillery', as they were called, were raised and afterwards disbanded, when many artillerymen had to be pensioned off. This wasteful process was eventually replaced by the formation by Royal Warrant of King George I of two permanent companies of artillery in 1716, the year which marks the birth of the Regiment. However, it was not until 1722 that the title 'The Royal Regiment of Artillery' was conferred and Albert Borgard was appointed the first Colonel of the Regiment.

From its formation the Royal Artillery played an increasing part in all the campaigns of the British Army. In particular it earned early distinction at the Battle of Minden in 1759, the first in which British gunners used artillery in a mobile role, during the Great Siege of Gibraltar, 1779-1783, in which the Gunners played a decisive part in breaking the final Spanish and French assault, and in the Peninsula War. In 1793 the first troops of Royal Horse Artillery were formed with their own horses and drivers to provide close artillery support for the cavalry. During the Napoleonic Wars the Regiment expanded rapidly and by 1815, the year of the Battle of Waterloo, there were one hundred Royal Artillery companies and fourteen Royal Horse Artillery troops.

In 1833 The Royal Regiment of Artillery was granted the privilege of wearing the badge of the Royal Arms over a cannon and the single battle scroll 'Ubique', meaning 'Everywhere', in place of all other battle honours to signify its active service throughout the world. After the First World War, however, some batteries were awarded honour titles to commemorate particular acts of service. As you will see from the notes on the units taking part in today's Main Arena Display, battery honour titles include the names of major battles, smaller, yet significant, actions and in the case of batteries which fought at Waterloo, where the guns were deployed in front of the British squares, the names of the Captains who commanded them.

After the final defeat of Bonaparte, the Royal Artillery shared in what were to be the first extensive defence cuts. Expansion occurred again with the Crimean War after which a period of continuous reform took place and by the turn of the Century, the Regiment had transferred its allegiance from the Master General of the Ordnance to the Commander-in-Chief under the War Department. The terms 'brigade' and 'battery' had replaced the names

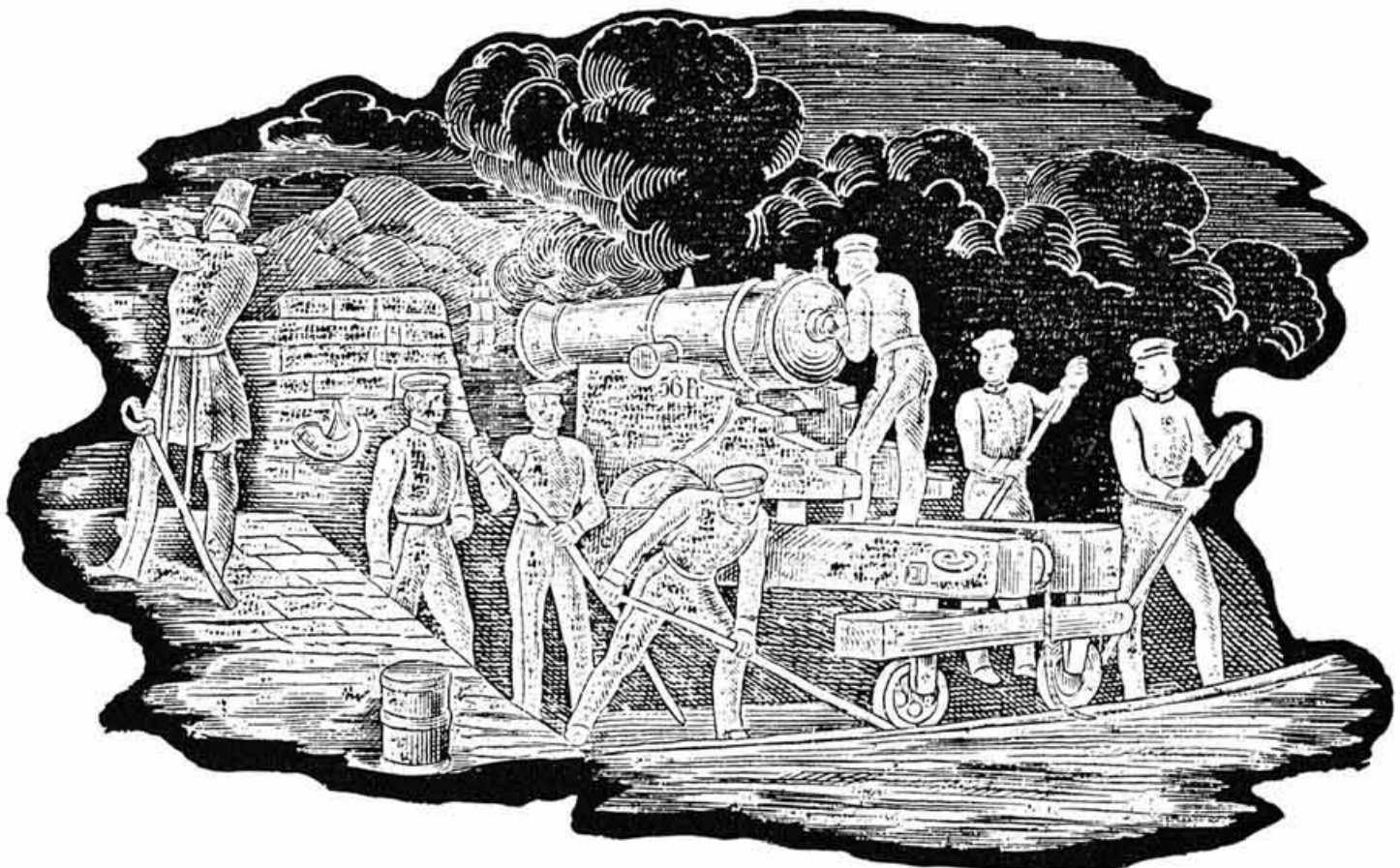
'battalion' and 'troop' or 'company', a coast brigade had been formed and the Regiment had been divided into mounted and dismounted branches. The era of the old smooth bored gun and round shot and shell gave way to rifled artillery pieces with far greater range and accuracy. This period saw the start of the distinguished career of the famous Screw Gun of the Mountain Artillery immortalised by Kipling as 'the gun that is made in two bits'.

During the Great War, the strength of the Royal Artillery increased rapidly and in offensives like that on the Somme, there was a field gun for every twenty-five yards of front and a heavier weapon for every sixty yards. This War presented the first air threat and saw the formation of anti-aircraft units. By 1918 there were over 2,000 batteries in existence, manned by more than half a million gunners from this country and the Dominions.

The 1930's brought the replacement of draught horses by vehicles, except for artillery carried by pack animals, and the start of a period of rapid development of the gun-howitzer, the armoured self-propelled gun on tracks to support tank formations, anti-tank weapons and a range of anti-aircraft weapons, the most effective of which, the 3.7 and 4.5 inch guns, accounted for over 80 per cent of the V1 flying bombs launched. In the Second World War, the Regiment increased to such an extent that it comprised nearly 700,000 officers and men or about two-fifths of the British Army, roughly equal to the wartime strength of the Royal Navy. Gunners fought on all battle fronts and earned these words of praise from Field Marshal Montgomery—'The contribution of the Artillery to final victory has been immense—they are terrific'.

Since then the Regiment has again faced successive reductions in strength, but not in its high state of training, its morale, or in the hitting-power of its weapons. It has seen service, either with or without its guns, in almost every trouble spot in which the British Army has been engaged—Korea, Malaya, Cyprus, Aden, Borneo, Northern Ireland and elsewhere.

Today the Royal Regiment offers young men a career with as wide a variety of skills and diversity of interests and as demanding in fitness, self-reliance and professionalism as any in the Services and far greater than in most civil occupations. They can work with



A 56 pounder in action c. 1850

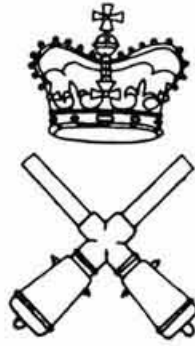


A 105mm Pack Howitzer at full recoil

guns, rockets or missiles, become experts in operating radars, radios, pilotless aircraft, survey instruments or computers, learn to drive self-propelled guns or become meteorologists or bandsmen. Many of these and other skills stand them in good stead for their return to civilian life. They can volunteer to become Gunner parachutists or commandos, or serve with horses in the King's Troop, Royal Horse Artillery. They can join before the age of seventeen after leaving School as Junior Leaders, Junior Tradesmen or by joining the Junior Musicians Troop. For those with ambition and leadership qualities there are good opportunities for promotion in the ranks and a variety of ways of obtaining a commission. Women too, can serve in the Womens Royal Army Corps with the Gunners as radar operators, drivers, clerks or stewardesses.

Members of the Gunners enjoy an unrivalled variety of games and sports. In every unit there are facilities for football, cricket, hockey, tennis, squash and swimming and teams and individuals are encouraged to take part in such sports as skiing, canoeing, riding, parachuting, sailing etc and most units take part in the comparatively new sport of orienteering. There are sixteen Royal Artillery sports clubs or associations which together sponsor some twenty-five games and sports. All these clubs are open to all ranks at a very reasonable cost. The Gunners were well represented in the recent round the world yacht race.

It is a far cry from the muzzle loaders of 1716 to the sophisticated guns, missiles and electronic equipment of the 1970s. The units taking part in Artillery Day testify that 'Ubique' is as appropriate now as it was when it was awarded nearly 150 years ago.



The Royal School of Artillery

A Short History

Origins

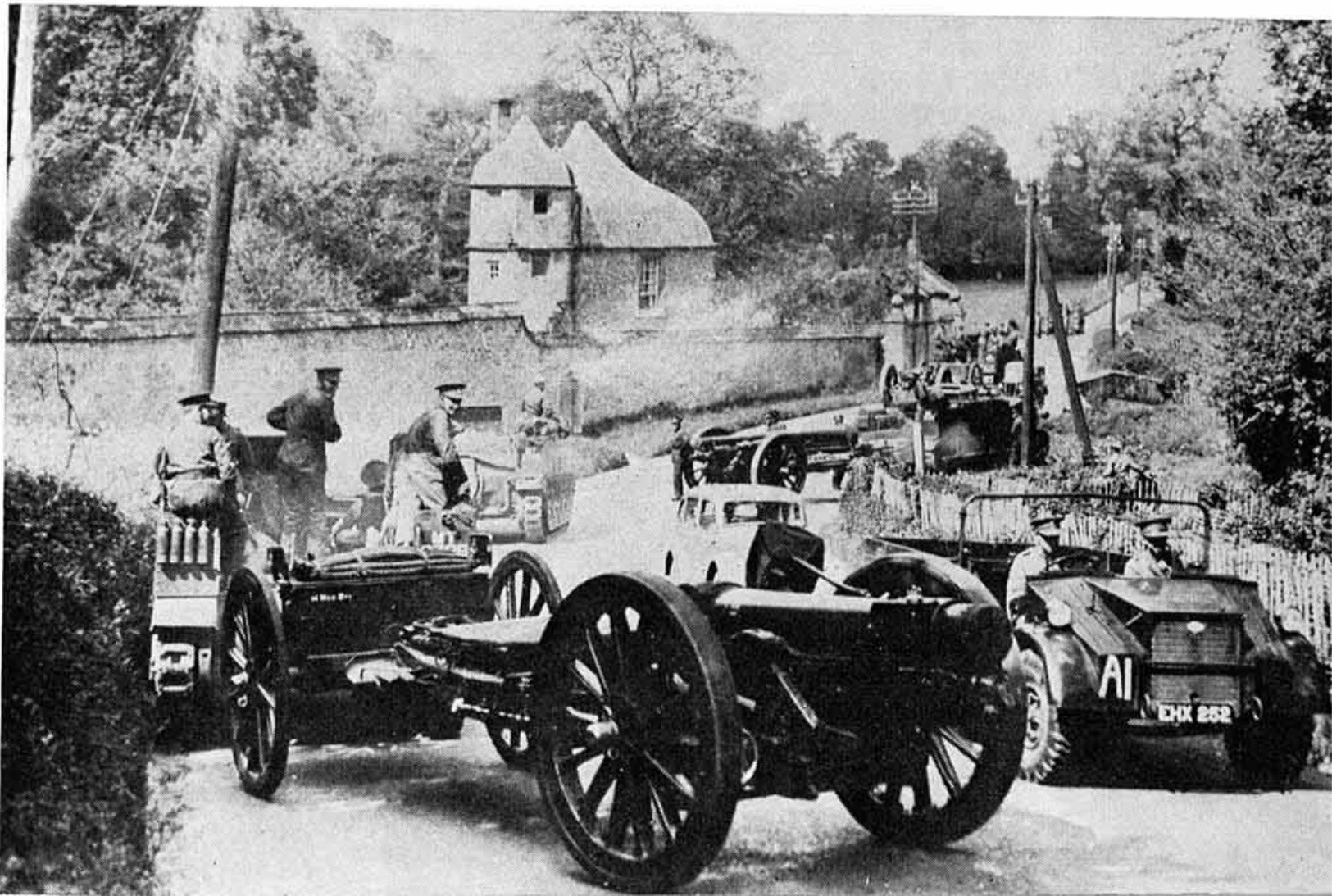
The Royal School of Artillery is descended from the School of Gunnery which was formed at Shoeburyness on 1st April, 1859. The artillery ranges at Larkhill were established in 1899 and the first camp erected in 1902 for use by practising units. It was not until 1912 that members of the instructional staff at Shoeburyness began moving nearer to the training areas being used by the field artillery.

The start of the First World War resulted in a large number of hutted camps being erected at Larkhill for units completing their training before going out to France. The Royal Horse and Field Artillery Section of the School of Gunnery and a new wartime Artillery School at Chappertown Down near Tilshead taught the field artillery units to shoot their guns.

By 1918, The Royal Horse and Field Artillery School had been established in Salisbury, and on the run-down of the Army after the Armistice, this School was amalgamated with the Chappertown Down School to form the School of Artillery at Larkhill. In 1921, the staffs of the Heavy and Siege Artillery Schools at Winchester and Lydd respectively were absorbed.

6 inch Howitzers—Countess Road, Amesbury, 1939.

By Courtesy of T. L. Fuller



Inter-War Years

The new School was responsible for providing qualified field artillery instructors for the Gunnery Staff, to assist in the training of regular and territorial units, to carry out trials of new equipment, to stage artillery fire-power demonstrations and to write artillery training manuals. In 1926, all Young Officers joining the Royal Artillery on first commissioning from the Royal Military Academy, Woolwich, started coming to Larkhill to learn the rudiments of gunnery before joining their batteries. This important responsibility has continued to the present day with the arrival here in May of No. 83 Young Officers Course.

The School in 1926 was geared to deal with 40 officer students and 100 soldier students, employing a staff of 30 officers, 35 soldiers and a substantial number of civilians. During the summer, both regular and territorial units continued to use the Plain and ranges for their annual practice camps, assisted by the Gunnery Staff from the school.

At this time the equipment to be seen on the gun park and ranges included the 13, 18 and 60 pounders and the 4.5 and 6 inch howitzers. By 1938, the first 25 pounders had arrived at the School. This gun, which played such a prominent part in the Second World War, is still in use for course shooting purposes.

Between the wars, the garrison at Larkhill was slightly larger than it is today and consisted of four major units—the School, a field brigade, a medium brigade and a survey company. The School occupied two wartime hatted camps North of the Packway, which it continued to do until 1967. During the twenties, a number of brick married quarters were built, to be followed in the late thirties by the Garrison Church and officers' and sergeants messes.

Second World War

During the Second World War, the scope of instruction and the number of students increased rapidly. The twelve-month Gunnery Staff Course was replaced by a short course of three months to meet the demand for instructors. In addition to field and anti-tank gunnery, instruction covered observation of fire from the air by Gunner pilots, co-operation with the RAF and the tactical handling of artillery units in the field.

By 1943, there were five instructional wings in the School: Gunnery, Survey, Tactics, Air and Equipment. The strength of the School rose to over 2,000, including 250 instructors and 1,300 students. The period immediately prior to the Normandy landings was one of intensive activity. A number of important exercises and tutorials were held at Larkhill under the School's direction, to study problems likely to be encountered in France by the artillery units of 21st Army Group.

Post Second World War

In 1950, the School formed its own Signals Branch on the closure of the All Arms Wing at Catterick. The Survey Wing, renamed Observation Wing in 1946, was reorganised in 1952 as the Counter Bombardment Wing and assumed the additional responsibility for instruction in radar and electronic instruments. When the Green Archer mortar locating radar came into service in 1962, the Wing was renamed Locating Wing.

A Guided Weapons Wing was set up in 1957 to undertake instruction in surface to surface guided weapons. The first two guided weapon regiments in the British Army received their initial training at the School. With the decision not to replace the Corporal system with a new generation weapon, the Wing was merged with Gunnery Wing in 1965, which took over the teaching of Honest John.

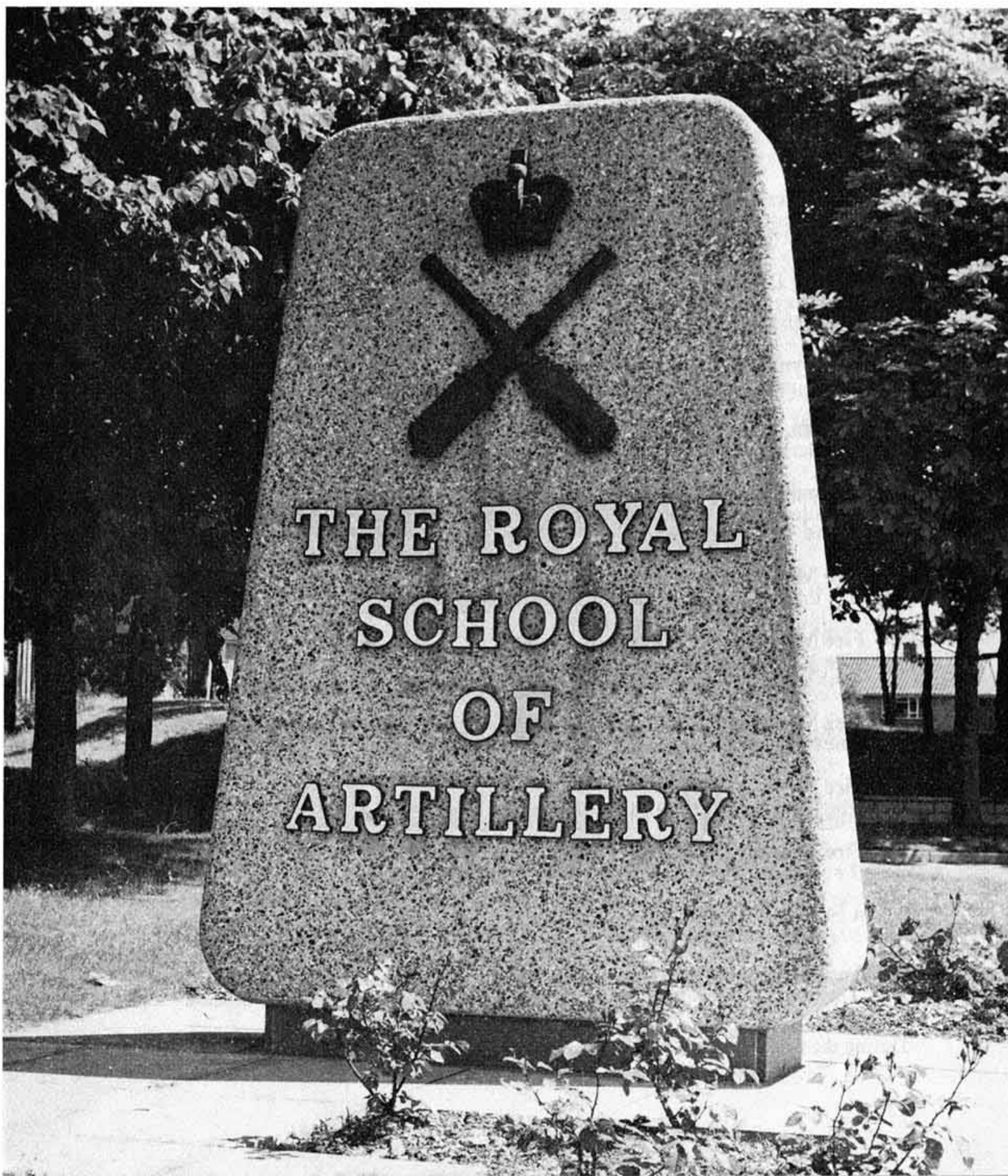
In the early 1960s the decision to re-equip BAOR regiments with self-propelled guns created a considerable additional load on Gunnery Wing. By 1966, the following new equipments were being taught: the British Abbot and the American 155 mm and 175 mm guns. This programme also included the introduction of the FV 432 Tracked Command Post and the six-wheeled amphibious ammunition carrier Stalwart. In 1969, the next phase started with the arrival of the Field Artillery Computer Equipment (FACE) and the programme to convert all field artillery units to its use.

The Present

In recent years the appearance of Larkhill has been transformed by a major rebuild programme. As a result, the whole of the School is now accommodated in modern centrally-heated buildings and almost all the old huts, dating from the two World Wars have disappeared. New married quarters, County Primary School, RC Church, and a full-size open air swimming bath, complete a very pleasant and comfortable place in which to live and serve.

1970 was a most significant year in the history of the School. It marked the 50th Anniversary of its establishment at Larkhill and the amalgamation with the School of Artillery, Manorbier, to form one School of Artillery with effect from 1st January, 1971. From the same date Her Majesty The Queen conferred the Royal title on the new School.

The School now comprises four instructional Wings—Gunnery, Air Defence, Tactics and Signals. The first three are headed by Colonels who are Chief Instructors, whilst the last named has a Lieutenant-Colonel from the Royal Corps of Signals. In addition there are the Administrative and REME Wings and the Young Officers Branch.



MAIN ARENA

starting at 2.15 p.m. with the

The Royal Artillery and Royal Artillery Mounted Bands play

- 1. Opening Ceremony**
A General Salute is sounded on the arrival of Field Marshal Sir Geoffrey Baker, G.C.B., C.M.G., C.B.E. M.C., Master Gunner, St James's Park. Spectators are asked to stand when the Master Gunner arrives and remain standing during the General Salute. On Friday, 12th July, the Salute will be taken by Brigadier K. J. McQueen, Commandant of the Royal School of Artillery.
- 2. R.A. Foxhounds**
The R.A. Foxhounds were formed as Harriers in 1907 and converted to Foxhounds during the Second World War. They are the only remaining official military pack of foxhounds.
- 3. Fire Mission Regiment**
Guns both in and outside the arena, twenty-three in number, show the effect of some seventy shells landing on a target.
- 4. Commando Observation Post Party Parachute Drop**
An O P party from 95 Commando Forward Observation Unit, Royal Artillery, parachute from a Royal Air Force Andover aircraft.
- 5. Free Fall Display**
The Black Knights of 7th Parachute Regiment, Royal Horse Artillery, perform various manoeuvres in the air and attempt to land on the marker. On operations this technique can be used to land reconnaissance parties behind enemy lines.
- 6. Commando OP Party Abseils from a Helicopter**
An OP party from 95 Commando Forward Observation Unit, Royal Artillery, ropes into the Arena from a Royal Navy Wessex helicopter.
- 7. Gliding Display**
A display of gliding by Staff Sergeant Don Webber, R.E.M.E., using an Oly 463 glider from South West District Gliding Club.
- 8. Deployment by Wessex Helicopter**
7 (Sphinx) Commando Light Battery is deployed into the Arena by Royal Navy Wessex helicopters.
- 9. 105mm. Pack Howitzer Deployment**
13 (Martinique 1809) Light Battery and 59 (Asten) Battery deploy in the Arena.
- 10. 25 Pounder Deployment**
A battery of six 25 pounder guns from the Junior Leaders Regiment, Royal Artillery, deploy in the Arena.
- 11. Fire Mission Troop**
The three 5.5 inch guns deployed in the Arena engage a target.
- 12. Fire Mission—M109**
The 155mm. self-propelled M109 engages a target, first in the high angle then in the low angle. Both shells burst simultaneously on the target.
- 13. Fire Mission—M110**
The 8 inch self-propelled M110 engages a target.
- 14. Fire Mission—M107**
The 175mm. self-propelled M107 engages a target.
- 15. Fire Mission Two Batteries**
Two 105mm. Pack Howitzer batteries engage a target using air burst fuzes.
- 16. A Smoke Mission**
59 (Asten) Battery neutralises an area using white phosphorous smoke.
- 17. Another Smoke Mission**
The Junior Leaders Battery demonstrates the use of Base Ejection smoke shell.

NOISE LEVELS

During the firing programme some people may find the noise a little painful. You will be warned when the guns are about

PROGRAMME

Combined Royal Artillery Bands

under the direction of Captain T. A. Kenny, A.R.C.M., p.s.m., R.A.

18. Rapid Fire Competition

One gun each from 7 (Sphinx), 13 (Martinique 1809) and 59 (Asten) Batteries compete in turn and fire six rounds each. The aim of the competition is to achieve as many hits as possible in the target area in the shortest time.

19. Fire Mission Troop

The 5.5 inch troop engages another target, this time using Direct Fire procedures.

20. Three Fire Missions Battery

The Junior Leaders Battery engages three targets in succession.

21. An Air OP Shoot

A fire mission battery controlled by an air OP in a helicopter. You can hear the orders broadcast over the public address system.

22. Deployment of Abbot Batteries

16 (Sandham's Company) and 159 (Colenso) Batteries deploy in the Arena, driving the British 105mm self-propelled Abbot.

23. Engagement of Low Flying Aircraft

Three Bofors L40/70 guns of 58 (Eyres) Light Air Defence Battery engage a low flying aircraft. As it would obviously be dangerous to fire live ammunition, they are using 'break-up' shot.

24. Falling Plate Competition

Three Bofors L40/70 guns of 58 (Eyres) Light Air Defence Battery take part in a competition to see which gun can knock over the target plates in the shortest time.

25. Engagement of Flare

Three Bofors L40/70 and the light machine guns mounted on the turrets of the two Abbot batteries engage, with live ammunition, a flare in the sky above them.

26. The British 105mm. Light Gun

A deployment and firing demonstration of the new British 105mm. Light Gun, which has been accepted as a replacement for the 105mm. Pack Howitzer.

27. Fire Mission Two Batteries

The two Abbot batteries engage separate targets.

28. Fire Mission Two Batteries

7 (Sphinx) and 59 (Asten) Batteries engage a target, one battery firing in the high angle, the other in the low angle.

29. 105mm. Pack Howitzers Fire from the Low Position

13 (Martinique 1809) Light Battery engages a target with its guns in the low position.

30. An Abbot Battery Engages Tanks

The Abbot is also lethal in the Direct Fire role. It demonstrates this by firing against tanks which they can see using squash head ammunition.

31. Fire Mission Division

All guns in the Arena engage a target, demonstrating the devastating effect of a high concentration of Artillery fire.

32. BCs and OPs Deploy

The Battery Commanders' and Observation Post Parties of 26th Field Regiment, Royal Artillery, and 7 (Sphinx), 39 (Roberts) and 59 (Asten) Batteries join their guns in the Arena.

33. Honest John Firing

Honest John is a Free-Flight Rocket used to deliver a nuclear warhead onto a target. It is a mobile and reliable system and is currently in service with our missile regiments in BAOR.

34. Audience Participation

Spectators are invited to move forward into the Arena and speak to the officers and men who have been firing and to see their guns and equipment at close quarters.

to fire and should put your hands over your ears or protect them in some other way.

ENCLOSURE ARENA

DISPLAYS will take place in the Enclosure Arena starting at 11 a.m. and 5 p.m. The dis

Band of the Junior Leaders Regiment, Royal Artillery

A display of music and marching by the Junior Leaders in their Royal Horse Artillery full dress uniforms.

R.E.M.E. Vehicle Competition

Two teams from the Royal Electrical and Mechanical Engineers Workshops at the Royal School of Artillery compete in dismantling and reassembling a Land-rover.

PROGRAMME

The Royal Artillery Band and the Royal Artillery Mou

OTHER ATTRACTIONS

Jumping Tower and Commando Slide (Stands 11, 12 and 13)

Test your nerve and skill on a Jumping Tower operated by 7th Parachute Regiment R.H.A. or a Commando Slide operated by 29 Commando Regiment R.A.

Live Firing of a 25 Pounder Gun (See Map)

Try your hand as a Gunner and fire live shells.

Physical Training Enclosure (Stand 15)

Try out your skills with the experts on a trampoline.

Balloon Race (Stand 8)

This may be your lucky day! Cash prizes of £10, £5 and £3. Tickets 5p each.

Fun Fair (See Map)

The Fun Fair will be open continuously on Friday 12th July and Saturday 13th July from 11 a.m. to 6 p.m.

Public Refreshments

Refreshments including a bar and large buffet are provided by NAAFI(Stand 29).

A PROGRAMME

display programme lasts approximately 1 hour and will include the following events:

Physical Training Display

A demonstration of fitness and precision by young soldiers of the Junior Leaders Regiment, Royal Artillery.

Motor Cycle Display

The R.A. Motor Cycle Display Team combine the skill of formation riding, the comedy of some hair-raising clowns and the excitement of riding through a tunnel of fire.

OF MUSIC

untent Band will play during both performances.

STATIC DISPLAYS

Royal Artillery Association Tent (Stand 1)

Royal Artillery souvenirs (These range from badges to silver models of guns presently in service, ball-point pens to ice buckets designed as drums). Staff will be delighted to sign-on past and present Gunners as members of the Association and answer questions about it and the R.A. Charitable Fund.

Signals Wing Display (Stand 5)

Send and receive radio messages on the equipment in use today. See the future range of military communications equipment (use a radio to send a teleprinter message).

Air Defence Wing Display (Stand 27)

See the new generation of Air Defence equipment and test your knowledge of modern military aircraft.

Gunnery Wing Display (Stands 18 and 35).

See the latest equipment of the Royal Artillery.

R.E.M.E. Wing Display (Stand 3)

See the latest equipment and techniques used by the Royal Electrical and Mechanical Engineers at the Royal School of Artillery.

W.R.A.C. Display (Stand 22)

A display of the trades and training in the Womens Royal Army Corps.

Methods and Media Display (Stand 4)

Modern teaching machines used by the Royal School of Artillery—see yourself on T.V.

Notes on the PARTICIPATING UNITS

848 Naval Air Squadron



A Wessex Mk 5 helicopter operating from HMS Bulwark

848 Squadron first commissioned as a Torpedo Attack Squadron with Avenger aircraft at the U.S. Naval Air Base Quonset Point on 1st June 1943 and operated with HMS FORMIDABLE in the Pacific campaign, gaining battle honours at Okinawa and in Japan. At the end of World War II, the Squadron returned to England and disbanded.

The Squadron next commissioned as the Navy's first front line helicopter squadron in Malaya in 1952 equipped with Sikorsky S55 aircraft and the next six years were spent on continuous active service in support of the Army during the anti-terrorist operation in Malaya. Between 1958 and 1960, 848 was involved in internal security duties in Cyprus and Malta, before being re-equipped with Whirlwind Mk 7 helicopters, and embarked in HMS BULWARK, the Navy's first commando ship. While embarked, the Squadron landed and supported 45 Commando during the Kuwait operation in July 1961.

848 Squadron was the first front line squadron to be re-equipped with the new Wessex Mk 5 which came into service in May 1964. The Mk 5 with its great improvement in payload and safety was well proved by 848 Squadron in support of operations by the Army and Royal Marines in Borneo and Malaysia from 1964 to 1971.

848 Squadron has recently disembarked from HMS BULWARK to RNAS Yeovilton. During the last year the Squadron has worked with units of 3rd Commando Brigade including 41 Commando and two flights of the Brigade Air Squadron and has exercised with 1 and 2 Amphibious Combat Group, Royal Netherlands Marine Corps in the Netherlands Antilles.

7th Parachute Regiment, Royal Horse Artillery

7th Parachute Regiment, Royal Horse Artillery is the only airborne artillery regiment in the Gunners and provides the close support for 16th Parachute Brigade. The Regiment is equipped with 105 mm Pack Howitzers which are moved into action by parachute or by more conventional means using helicopters and vehicles.

The Regiment with its three Batteries, F (Sphinx), G (Mercer's Troop) and I (Bull's Troop), returned from service in Northern Ireland just 10 days ago where they were responsible for the border areas in South Armagh. In September they are taking part in a parachuting exercise in Germany followed by a jungle training exercise in Malaya in November and early December.

The Regiment is represented today by its Free Fall Display Team called the Black Knights. They have built up a nation-wide reputation for their highly skilled performances in competitions and displays.

12th Light Air Defence Regiment, Royal Artillery

The history of 12th Regiment dates from 1924 with the formation of 15th Field Brigade which served in India from 1926 to 1941. In 1938 the Regiment became 15th Field Regiment and during the 1939-45 war saw service in Iraq, Persia, Syria and Italy.

The Regiment was redesignated again in 1947, becoming 12th Anti-Tank Regiment and serving in Palestine, Italy, Egypt, Libya, Trans-Jordan and Trieste before a further change of role took place with the move to Germany in 1951 as 12th Light Anti-Aircraft Regiment. A tour in Malaya followed in 1963, which included operational service during the Indonesian confrontation campaign and the Regiment returned to BAOR in 1966.

In the summer of 1971 the Regiment joined 3rd Division to start its first period of continuous service in the United Kingdom since it was formed as an Anti-Tank Regiment in Palestine 24 years earlier. It was soon to complete the first tour of London public duties carried out by a regular Gunner regiment.

Since its return from BAOR the Regiment has also served in Northern Ireland and after moving to Kirton-in-Lindsey, a new station for Gunners, conducted a trial for the entry into service of the Rapier Air Defence Missile System, carried out public duties and fought fires in Glasgow during the Firemen's strike.

During the next year the remainder of the Regiment will convert from 40/70 Bofors guns to Rapier and a move to Dortmund is expected during 1975.



*A spectacular link-up by the Black Knights
By courtesy of Tony Dixon Aldershot*



 *Rapier—The low level Air
Defence Missile System*

26th Field Regiment, Royal Artillery

26th Field Regiment is the Support Regiment for the Royal School of Artillery, and is stationed at Larkhill. The three Support Batteries are 16 (Sandham's Company), 17 (Corunna) and 159 (Colenso). The Regiment also has under command 13 (Martinique 1809) Light Battery which, together with part of Regimental Headquarters, is assigned to the Allied Command Europe Mobile Force. The role of this force is to guard the flanks of NATO and it exercises regularly in Norway, Denmark, Italy, Greece and Turkey.

The Regiment is equipped with a variety of towed and self-propelled guns in order to carry out its many duties of providing artillery fire support for the Royal School of Artillery, the School of Infantry and the Army Air Corps Centre.

After three years at Larkhill the Regiment moves to Germany in August to support 4 Guards Armoured Brigade. They will be stationed in Dortmund and all three batteries will be equipped with the Abbot self-propelled gun.

This demonstration marks the Regiment's final appearance at Larkhill and on Saturday, 13th July they will be firing the last of some 294,000 rounds fired on these ranges since they arrived in 1971.

An Abbot 105mm. Self Propelled Gun at speed



A 105mm. Pack Howitzer detachment in Norway



29 Commando Light Regiment, Royal Artillery

One of two Royal Artillery units which operate with the Commando Forces, the role of 29 Commando Light Regiment with its twenty four Pack Howitzers is to provide the Artillery close support for the Royal Marines Commandos.

The Regiment is based at the Royal Citadel in Plymouth but its four batteries spend much of their time detached with their affiliated Commando. 7 (Sphinx) Battery, soon after its last Northern Ireland tour, spent part of the winter in Norway training for its new role on the Northern flank of NATO and today this Battery will be taking part in the Main Arena display.

Last autumn 8 (Alma) Battery was involved in NATO Southern flank exercises in Cyprus, Greece and Turkey. Next month they leave the U.K. with their families for a tour in Malta. 79 (Kirkee) Battery has just returned home to Plymouth after two and a half years in the Mediterranean in which time the Battery also trained in the United States and the Caribbean, and more recently some of its gunners were out in Malaysia.

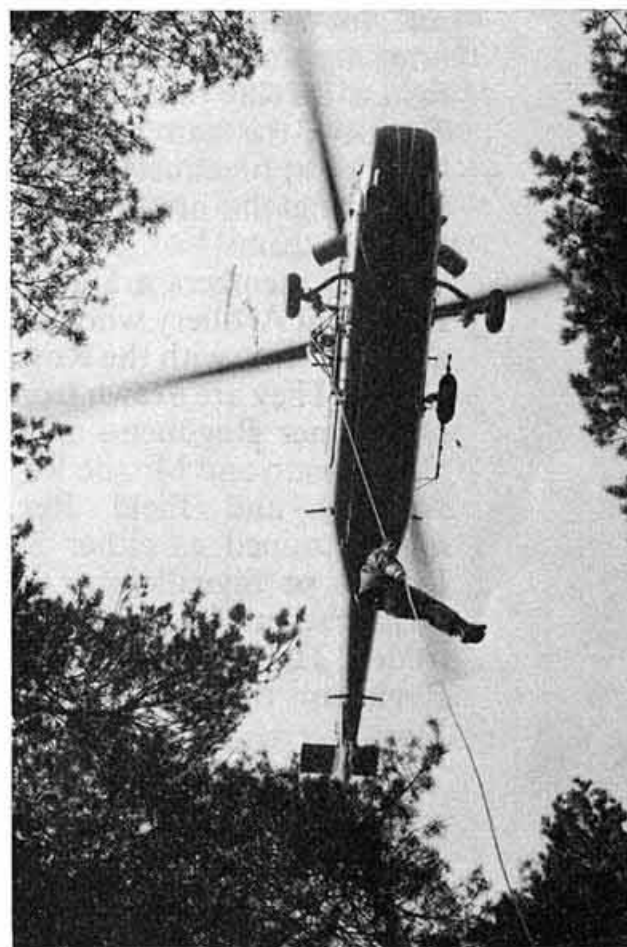
145 (Maiwand) Battery, stationed at Arbroath in Scotland, has specialised in mountain and arctic warfare. Last March it completed its third long winter exercise in North Norway. The Battery is at present on its fourth operational tour in Ulster.

95 Commando Forward Observation Unit, Royal Artillery

95 Commando Forward Observation Unit, Royal Artillery provides the Naval Gunfire Forward Observation parties, who are the eyes of the guns of the Naval ships supporting an amphibious landing. In order to observe this gunfire support, parties of the unit are inserted into the area by one or all of the following methods: free-fall parachuting, swimming, parachuting, rigid raider, landing craft or by helicopter. These parties are also able to control fighter ground attack aircraft and field artillery.

Normally stationed at Poole in Dorset, the Unit has taken part in exercises in the past year, in Norway, Denmark, Cyprus, Greece, Turkey, Salalah, Malta, The Orkneys, Sardinia and Singapore. All members of the Unit have passed the Commando course at Lymington and have completed the parachute course at Aldershot and Abingdon.

A Gunner commando abseiling from a RN Wessex helicopter





By courtesy of PACE of Charlton

The Junior Leaders Regiment, Royal Artillery

The Band of the Junior Leaders Regiment, Royal Artillery appears, by tradition, in the full dress uniform of the Royal Horse Artillery. This is not one of the professional Gunner bands; both the Band and the P.T. Display Team train on a strictly part time basis, since their members—any Junior Leader who shows aptitude—already have a full military and educational programme.

As the boys only stay with the Regiment for one year there is a completely new group of boys each season.

The Band and Display Team have become familiar and popular items at Tattoos and Shows throughout the country.

The fact that the Junior Leaders Regiment carries out a full programme of artillery training is emphasised by the participation in today's firing demonstration of 25 pounders manned by Junior Leaders.

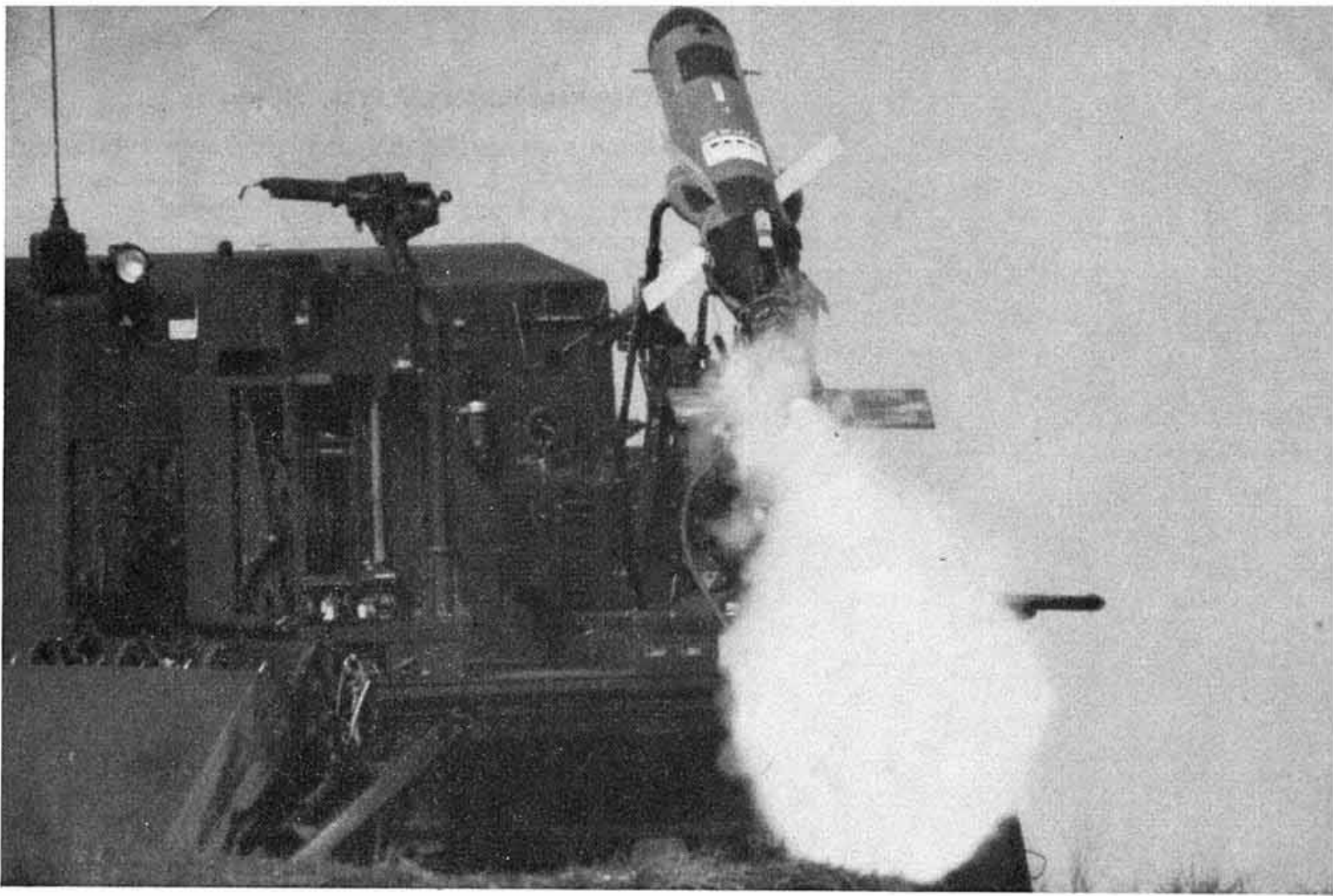
The Royal Artillery Motor Cycle Display Team

A highlight in military and civilian spectaculars is the performance by the Royal Artillery Motor Cycles. The Team, originally formed in 1955, has thrilled countless thousands, both in this country and abroad, with their daredevil display.

The non stop show started with sixteen riders in a demonstration of highly skilled formation riding. Individual stunts follow and, for a little light relief, these include some amusing clowning. The finale is probably the fastest display of team riding in the world. Twelve of the team's most experienced members ride at breakneck speeds, crossing and re-crossing the arena in two and then four separate teams.

Team members are all serving soldiers in the Royal Artillery who have volunteered for a tour of duty with the Royal Artillery Motor Cycles. They are drawn from the great variety of Gunner Regiments including Parachute, Commando and Missile Regiments, Locating Artillery and Field Regiments. All are highly trained as either Surveyors, H.G.V. Drivers or Signallers or have gained other qualifications in the many Royal Artillery trades. They return to these trades in their Regiments after their tour with the team.





A Midge Drone is launched at the R.A. Range, Hebrides

22 (Gibraltar 1779-83) Locating Battery Royal Artillery

22 (Gibraltar 1779-83) Locating Battery, Royal Artillery has been stationed at Larkhill since 1947 and is the largest independent battery in the Royal Regiment. Besides providing locating support for the Royal School of Artillery, the Battery trains under 3rd Division Artillery and provides Meteorological and Survey support to the ACE Mobile Force, indeed to any unit firing outside the U.K. or BAOR.

The Battery comprises four troops—Mortar Locating Radar, Survey and Meteorological Troop, Sound Ranging Troop and the Drone Troop. All the various equipments used by the Battery are on display here today and are the most up to date of their type in service.

The soldiers of 22 Battery live in modern custom-built barracks and are among the highest paid and most widely travelled in the Army. During the last twelve months detachments have served in Germany, Denmark, Belgium, Gibraltar, Sardinia, Malta, Cyprus, Greece, Turkey, Trucial Oman, Canada, Northern Ireland and the Far East. Sales teams have visited many other exotic parts and the sections in Canada frequently visit the United States.





59 (Asten) Battery, Royal Artillery

59 (Asten) Battery, Royal Artillery is the senior of two training batteries of The Depot Regiment, Royal Artillery, stationed at Woolwich. The Depot Regiment is responsible for the training of all adult recruits for the Royal Regiment of Artillery.

The Battery was formed at Woolwich in 1791 and was awarded the Honour Title of "Asten" as the result of an action which took place in Holland during the last war when the Battery was part of the artillery support of the 7th U.S. Armoured Division during the clearing of the Scheldt.

The Battery is manned by a permanent cadre of 40 all ranks with a small headquarters and three training troops "Arnhem", "Le Cateau" and "Colenso". During their twelve weeks at Woolwich, recruits' basic training includes skill at arms, P.T., drill, adventurous training and gunnery training on the 105mm. Pack Howitzer.

A young soldiers' cross-country competition



**1973
Artillery Day**

The Royal Artillery Band

Although many regiments had their own bands for marching and parade purposes before the middle of the Eighteenth Century, it was not until 1762 that the first Articles were drawn up for engaging Musicians for the Royal Artillery Band. They provided for eight men, playing hautbois (oboes) or clarinets, bassoons, French horns and trumpets and also doubling on flute, violin, violincello and bass. The Musicians, therefore, were capable of performing as a parade band or orchestra as required, a double-handed tradition which has been maintained to this day.

Amongst British Service bands the Royal Artillery Band is unsurpassed as a fully double-handed combination and throughout its long history it has indeed lived up to the Royal Regiment's famous motto, 'Ubique' (Everywhere) by providing music of all kinds for all occasions.

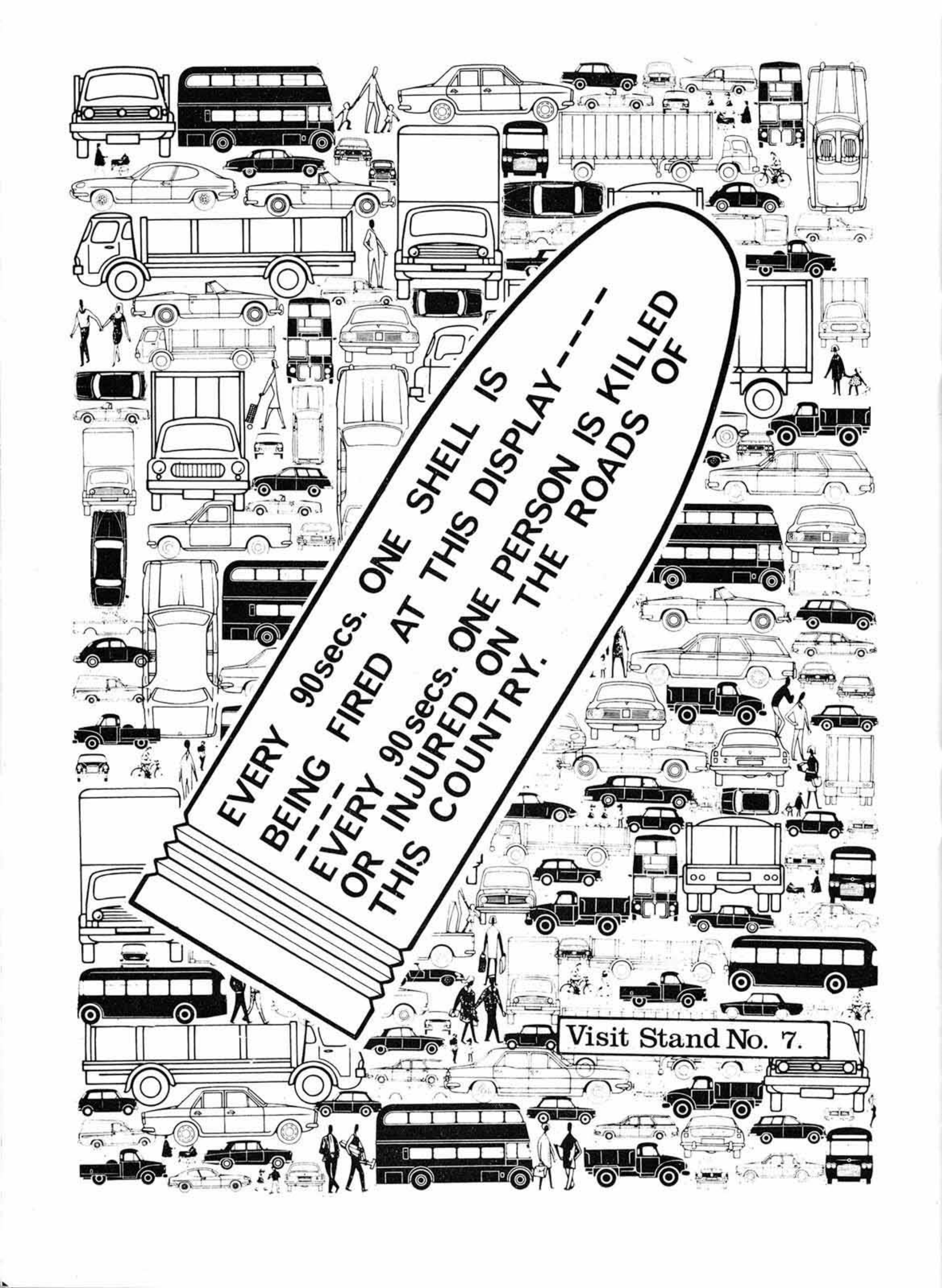


The Royal Artillery Band on parade at Woolwich

The Royal Artillery Mounted Band

The Royal Artillery Mounted Band is one of the oldest staff bands in the British Army. It was formed in 1876 as a result of the amalgamation of the Royal Horse Artillery Band and the Royal Artillery Brass Band. The band's first appearance was at the Queen's Birthday Parade in 1878 where, at 60 strong, it was the largest mounted band ever seen.

On 4th September 1939 the band became dismounted, but it has kept the title 'Mounted Band' as a mark of its link with the Royal Horse Artillery. It has gained a reputation for consistently high performances as a most versatile combination which produces a symphony orchestra, a choir, comedy items and dance bands of varying sizes. It is now stationed at Larkhill from where it carries out a full and varied programme throughout the United Kingdom.



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LARKHILL POINT-TO-POINT RACECOURSE

Between mid-February and May 1975 the following five Point-to-Point meetings will be held over the Larkhill Racecourse which can be seen to the right, or East, of the Main Arena:

**UNITED SERVICES
NEW FOREST HUNTS
ROYAL ARTILLERY HUNT
SOUTH AND WEST WILTS HUNT
TEDWORTH HUNT**

Dates will appear in the local Press

Saving for something?

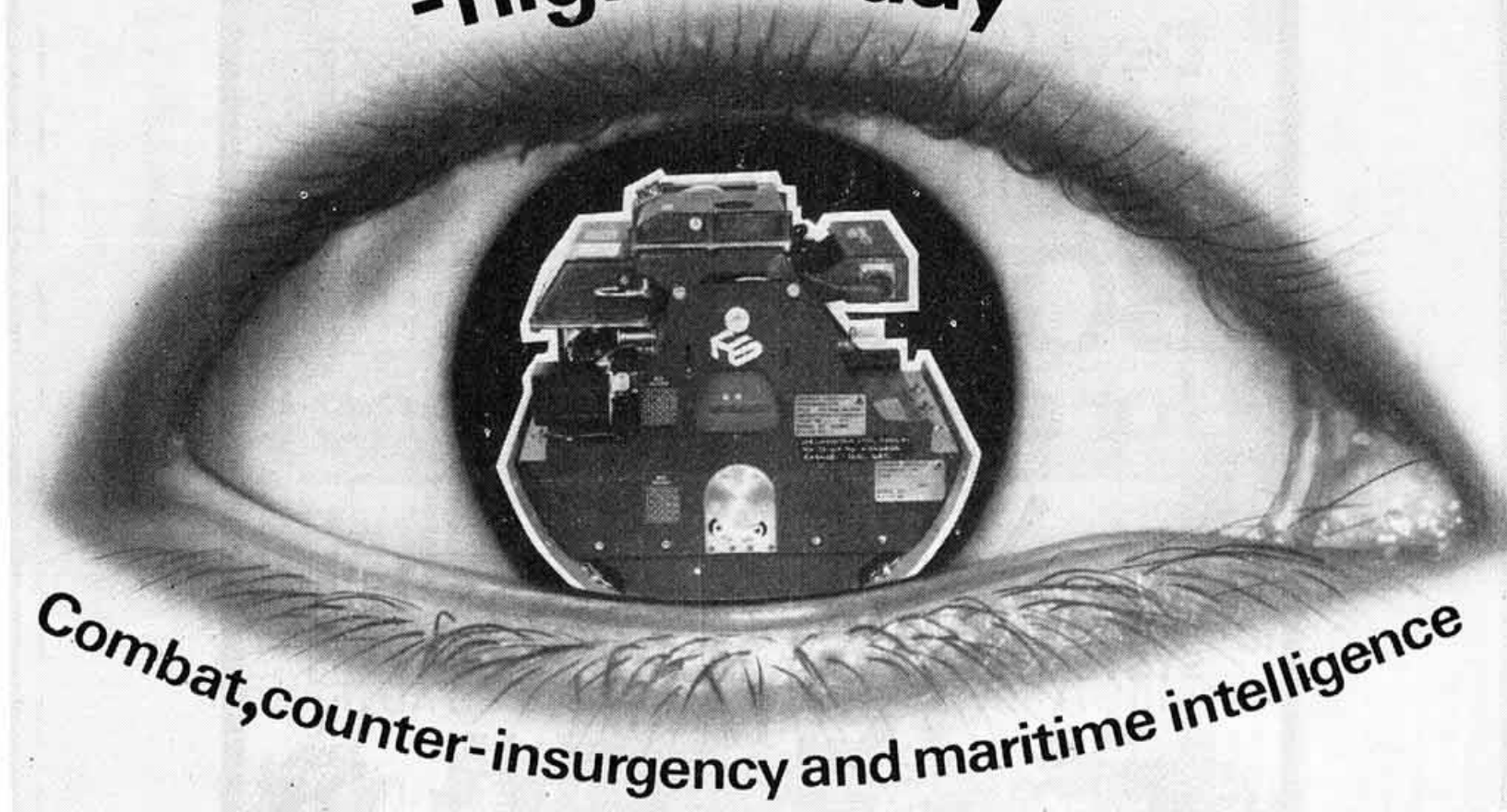
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Resolution: 1.5 milliradians	Coverage: 64 km (40 ml) at 300 m (1000 ft)
Sensitivity: <0.25 °C	Field of view: 120° across track
Spectral response: 8-14 microns	Cooling endurance: 30 minutes
	Power requirements: 5 A at 28V dc

Linescan 201 is in production for the British and German armies to equip the AN/USD-501 battlefield surveillance drone system.

LINESCAN 212 has an additional cooling pack to the 201, from which it was derived, and enables the endurance to be considerably extended. Used on a wide range of aircraft covering terrain as varied as tropical jungle and snow-covered mountains. Variants are available with different velocity and height range, or operating in the 3-5 micron wave-band. A special maritime version is also available.

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For further information contact Sales Manager, Electro-Optics Division.



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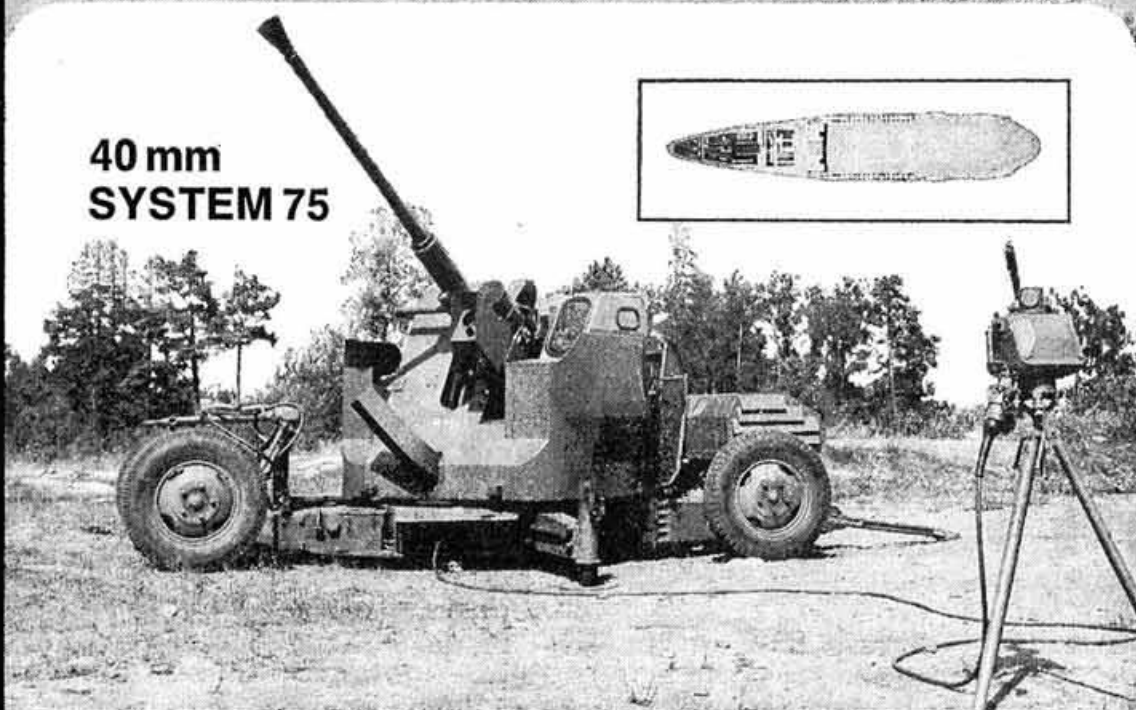
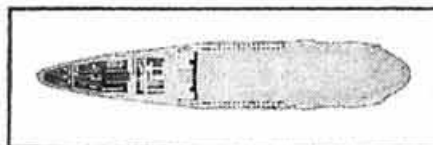
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A CAREER IN THE ROYAL ARTILLERY

Having seen the Regiment's display it may be that you would like to know more about a career as an officer or as a soldier in the Royal Artillery.

You can, of course, find out more from any member of the Royal Artillery present at Artillery Day or from the Recruiting Caravans in the Static Display Area. Their positions are shown on the plan on the back page of this programme.

Should you require further information please fill in the coupon at the foot of this page, cut it out, fold it up as indicated and either hand it in at one of the Recruiting Caravans or drop it into one of the special post boxes on your way to the car parks.

I am interested in having further information about a career in the Royal Artillery as an officer/soldier*

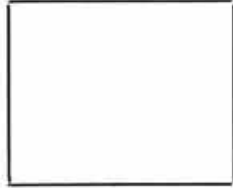
**Delete as necessary*

Name _____

Address _____

(BLOCK CAPITALS PLEASE)

2nd Fold



Lt.-Col. R. Blowers
HQ Training Brigade RA
Government House
New Road
Woolwich SE18 6XR

Tuckin

3rd Fold

1st Fold

4th Fold

ACKNOWLEDGEMENTS

Grateful acknowledgement is extended to the following for their services: St. John Ambulance Brigade, British Red Cross Society, Wiltshire County Constabulary and the Automobile Association. Also to all those who have helped to make Artillery Day such a success.



LOST CHILDREN

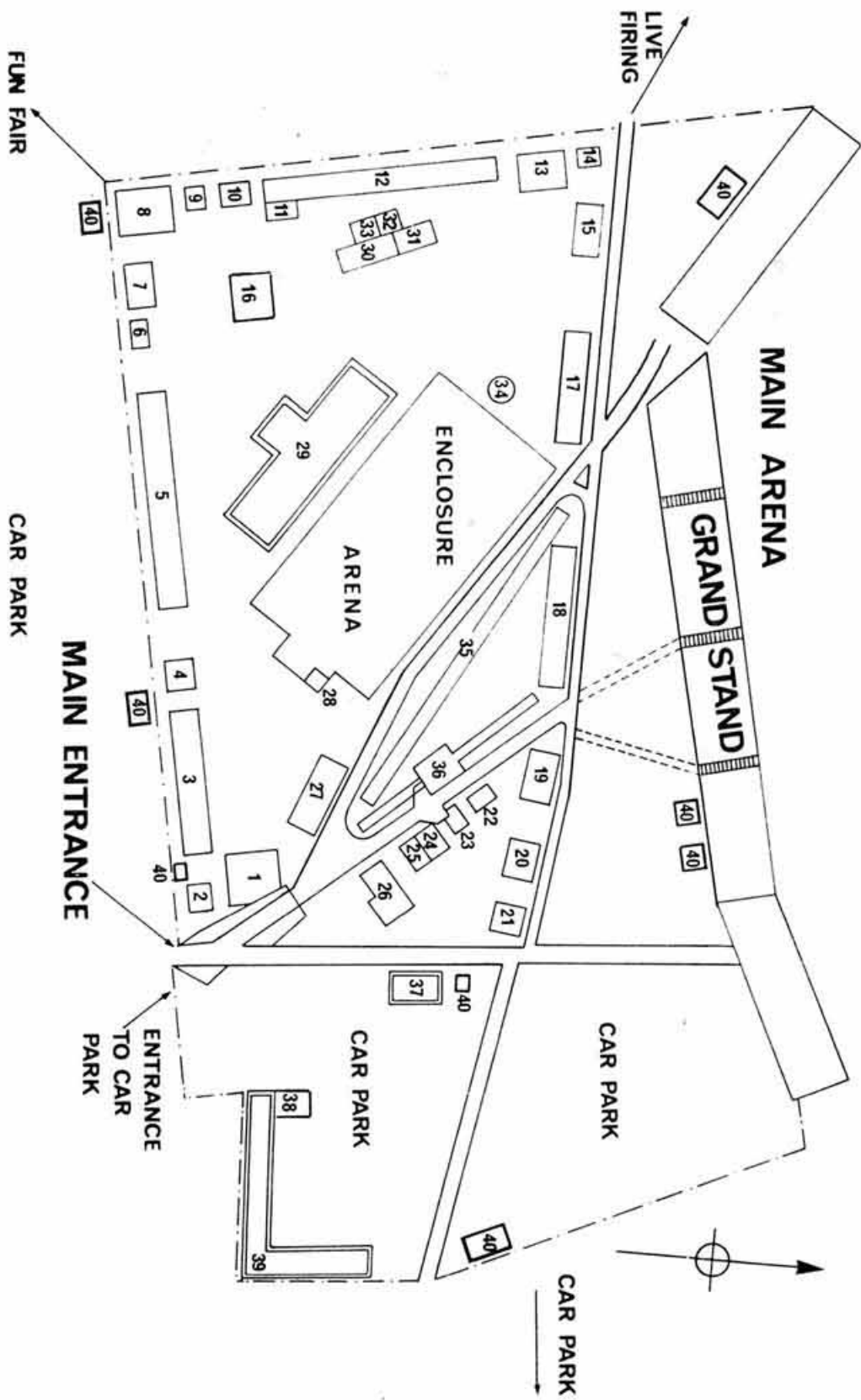
If you lose your children today please go to the Lost Children Collection Point (Stand 24) where there is a Public Address System.

FIRST AID

There are two First Aid Tents in the demonstration area. Their positions are shown on the plan on the back page of this programme. (Stands 20 and 23).



LAYOUT - STATIC DISPLAY AREA



1. Royal Artillery Association tent
2. Army Fire Service
3. REME Wing Display
4. Methods and Media Display
5. Signals Wing Display
6. Wiltshire Constabulary Display
7. Road Safety Display
8. Balloon Race
9. .22 Range
10. Spare
11. 29 Commando Display
12. Commando slide
13. Parachute Jump Tower
14. Cinema
15. P.T. enclosure
16. Helicopter Area
17. Recruiting Area
18. Gunnery Wing Display
19. Museum
20. St. Johns Ambulance
21. A.A.
22. W.R.A.C Display
23. Red Cross
24. Child Care
25. MOD Police
26. Secretary and Trailer
27. Air Defence Display
28. Commentators' box
29. Public Refreshments
30. R.A. Motor Cycle Display
31. Spare
32. Junior Leaders Regiment Display
33. The Depot Regiment Display
34. Band Stand
35. Guns and other equipments
36. Vehicles of the Royal Artillery
37. Sergeants Mess
38. Officers Mess Bar
39. Officers Mess
40. Toilets

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NO LIABILITY CAN BE ACCEPTED FOR ANY LOSS OR DAMAGE
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