

Apollo-11 may be three hours early

Houston, Texas, said no more adjustments would be necessary to put the ship into its first orbit around the Moon this evening at 8.00 p.m. local time.

Showing the flag

The flag of Kenya, Uganda and Tanzania are among 170 nations being flown to the Moon and back in the Apollo-11 spacecraft, the United States Information Service in Nairobi said yesterday.

mission 'no danger to astronauts'

though the spacecraft had been tumbling round but that it was not clear whether this had been deliberately done by long-distance manoeuvres.

INCREASES IN TENSION

Catholics and Protestants in Londonderry have drawn up plans to observe the August 12 anniversary when Protestants celebrate an ancient battle victory.

Madly was a spy's Kenya student

before she died Mrs. O'Brien called him to her room and showed him a coded letter attached by pink ribbon to a corner of her wall.

Mr. Desai may be offered another post

on the suggestion of the Interior Minister, Mr. Y. Chavan. According to some Congress Party sources, Mr. Desai will be offered the senior Ministry portfolio, with Mr. Chavan taking over as Finance Minister.

Six get 20 years each for Limuru farm raid

Standard Staff Reporter Six of the seven men accused of an attack on Maj. and Mrs. Ernest Walker on their secluded Limuru farm last February were convicted yesterday of robbery with violence and jailed for 20 years each with 24 strokes.

O.A.S. ACTS TO STOP BORDER WAR

The Organisation of American States was ready to act yesterday on a ceasefire resolution in the El Salvador-Honduras border war if they studied their work-loads.

'Budget shows we're winning' - Salisbury

Rhodesia's Budget outlook on direct taxation, appeared to be a positive illustration of the country's economic stability in the face of worldwide recession.

Floods sweep through town

DEBREGARH, India - A state of emergency was declared on Thursday as the floodwaters of the River Brahmaputra swept through the town, swirling into more than 100 homes.

SEARCH CONTINUES

The search for the killer of Mr. Tom Mboya, who was gunned down in a Nairobi street two weeks ago, continues but by yesterday evening the Kenya Police had investigations further to report on their investigations into the assassination.

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Mr. Nixon calls for new mercy flights

President Nixon has sent urgent appeals for the resumption of mercy flights to Biafra.

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Zambian Chief Justice in U.K.

SUDDEN DEPARTURE

Zambia's Irish-born Chief Justice, Mr. James Skinner, who has had a judicial dispute with President Kaunda, flew into London yesterday with his wife and four of his five children.

The 49-year-old judge, who has lived in Zambia for the past 18 years and is a citizen of the country, arrived in London for a period of indefinite leave.

His hurried departure from Zambia followed a mob attack on the High Court during which Mr. Skinner and another White judge had to barricade themselves in a room as youths tried to assault them.

Mr. Skinner had been threatened by angry mobs for lacking another White judge's decision to squish an earlier sentence on two Portuguese soldiers for an alleged border violation.

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... the Constitution ... Kenya ... Mr. Kenneth Potter ... for the appellant, also asked for a mandamus ...

... pressing need for co-operation in E.A. ... of the Treaty for East African Co-operation in 1967 ...

... Rural development now 'major concern' ... Mr. Ndegwa has no doubt that economic co-operation had become 'quite popular' ...

... Traders ask for re-opening of gold mining industry of gold mining industry ... The seminar, organized by the Kalakawa branch of the Kenya National Chamber of Commerce and Industry ...

... CHIEF JAILED FOR FALSE PRETENCES ... A Semburu chief jailed after this week's trial ...

... Mineral experts in Kampala ... The formation of the inter-Governmental Council of Copper Exporting Countries ...

... Danish Scouts give £1,500 for Arusha youth centre ... Funds for building a multi-purpose Y.M.C.A. centre in Arusha ...

... TALKS ON ZAMBIA'S E.A.C. ENTRY ... The East African negotiating team and the Zambian delegation held their second meeting yesterday ...

... E. AFRICA FREE OF LOCUSTS ... The Ambassador of the Netherlands, Dr. J. C. van Bevelkom, called on the Mayor of Mombasa ...

... Pickpocket jailed ... A Mombasa pickpocket with six previous convictions was sentenced to seven years' imprisonment ...

... Stadium should be renamed says club ... Officials, members and supporters of Liverpool Sports Club, Mombasa, in expressing their sorrow over the death of Mr. Mbeya ...

... CHRISTIAN COLUMN ... Possessions and selfishness ... man, you have more than enough ...

THE WEATHER TEMPERATURE Max. - 82 deg. F. (28 deg. C.) Min. - 65 deg. F. (18 deg. C.) HUMIDITY 65-75 per cent. IMPORTERS! THE LARGEST EXPORT HOUSE IN JAPAN OF AUTO SPARES AND ACCESSORIES ...

Kenya's 3,000 metres Olympic champion, bent back into form Thursday at an international meeting in Munich, West Germany. He won a 3,000 metres...

Kenya's 1968-1969 season was not slow to take his revenge on his rivals. He was back in the saddle in Munich...

THE ONE TO POOL... DIVIDENDS FOR MATCHES PLAYED JULY 12, 1969... 3 Points 250 10 for 12

TENNIS DAVIS CUP SINGLES HONOURS SHARED

Britain and South Africa were at the end of the first day of European Zone 'A' tennis...

The meeting in Munich again proved successful for the Kenya athletes, who took first places in another three events...

Get Zettlers good summer coupon from... Zettlers Pools (Kenya Agency) Ltd. P.O. Box 7466 NAIROBI

Abaluhya ordered to play

Abaluhya P.C. have been ordered to play the Kenya Football Union...

Kenya's 10,000 metres champion and 5,000 metres bronze medalist finished third in a 5,000 metres event...

COPE'S TREBLE WORLD'S BIGGEST 8 CHANCE... DIVIDENDS FOR MATCHES PLAYED JULY 12, 1969

MORE SPORT IN PAGE 7

Removal Hospital in a game at City Stadium sponsored by Guinness...

At various times it seemed that both Herlihy and Cox, the supporters...

SWANS LTD... DIVIDENDS FOR MATCHES PLAYED JULY 12, 1969

RUGBY ENTERPRISE SEMI-FINAL TODAY

Standard Staff Reporter... The Dan J. Keenan Cup will meet at R.U.F. ground (10.30 a.m.)...

Results at the meeting were: 1,000 metres: Ben Jipcho (Kenya) 3:42.00...

THE ONLY Club with both Home Draws & Away Treble Chances... DIVIDENDS FOR MATCHES PLAYED JULY 12, 1969

Knitwear for Ladies and Men Boys and Girls

CENTRAL CLOTHING COMPANY KIMATH STREET... WHAT? JACKPOT GUARANTEED AT SHS. 15,000/-!!

GOLF Jacklin beaten by Alliss

Tony Jacklin, the new British Open golf champion, compiled out of the EBT700 Picochally medal match play championship at Sand...

THE ONLY Club with both Home Draws & Away Treble Chances... DIVIDENDS FOR MATCHES PLAYED JULY 12, 1969

Programme drawn up for national championships

The Standard Staff Reporter... The Kenya National Athletics Championships have been drawn up...

Cricket results

Results of cricket matches played yesterday: At Mombasa, Kenya beat Swaziland...

THE ONLY Club with both Home Draws & Away Treble Chances... DIVIDENDS FOR MATCHES PLAYED JULY 12, 1969

WHAT? JACKPOT GUARANTEED AT SHS. 15,000/-!!

WHERE? WHEN?... THE EAST AFRICAN STANDARD... JACKPOT GUARANTEED AT SHS. 15,000/-!!

THE ONLY Club with both Home Draws & Away Treble Chances

THE ONLY Club with both Home Draws & Away Treble Chances... DIVIDENDS FOR MATCHES PLAYED JULY 12, 1969

THE ONLY Club with both Home Draws & Away Treble Chances... DIVIDENDS FOR MATCHES PLAYED JULY 12, 1969

Man on Moon

U.S. ASTRONAUTS PERFECT TOUCHDOWN IN SEA OF TRANQUILITY

Man on Moon. Arrived 11.19 p.m. African Time last night. The American lunar Eagle landed in the Sea of Tranquility. Commander Neil Armstrong to manoeuvre his lunar module for about a minute. Large boulders were scattered around the landing site. Then came a "very smooth" touchdown. Armstrong had been over the Moon for 15 minutes. He had been practicing his maneuvers in the lunar module's simulator. Armstrong was in a calm state of mind. The scene was a collection of every man's dream. Armstrong was in a calm state of mind. The scene was a collection of every man's dream. Armstrong was in a calm state of mind. The scene was a collection of every man's dream.

difficultly in adapting to the one-sixth gravity of the Moon. Armstrong said that as they made the final approach they saw craters ranging from five to fifty feet. The lunar module had separated from the command craft Columbia at 8:47 p.m. NASA announced that the separation had been successful as the two craft emerged from behind the Moon where they had been out of contact for 18 minutes. The module commander, Neil Armstrong, was heard triumphantly exclaiming: "The Eagle has wings." The separation took place some 10 miles over the Moon. Later the Eagle's final descent engine was fired and its thrust power of 10,000 lb. took it down to within 10 miles of the Moon. At the Houston Space Control the flight controller, Eugene Kranz, said: "You are 100 for landing." Five minutes later Armstrong reported: "We've got a Moon right out of our window." The streets of America were described last night as everybody gathered by radio or television sets to watch the mission's progress. Many search areas were like active towns. Giant television screens

were erected at railway stations so that those who had to travel could catch a glimpse of the Space project. The "no" signal for undocking came five minutes before radio contact with Earth was lost as the Spacecraft slid behind the Moon, where the undocking manoeuvre was carried out. "The flight controller, Mr. Glynn Lunney, told a Houston Press reporter that the undocking manoeuvre was operating "just fine." The astronauts donned their space suits ahead of schedule yesterday and busied themselves completing checks. They had breakfast on peaches, banana sandwiches, strawberry cereals, orange and grape drinks — their last meal before the lunar module's landing on the Moon. The two craft flew in formation for 23 minutes until 1812 G.M.T., when the command module fired its small engines for eight seconds to move away from the four-legged ferry craft and leave it free to fly down to the Moon. The lunar module fired its descent engines just put it in a different orbit ready for dropping into the lunar surface and an hour later the lunar module's main engine was fired to brake its relaxed mood then he will be this morning when he walks on the surface of the Moon. The four-legged lunar module came to rest 40 degrees from the vertical before it is in danger of tipping over. If it landed at a dangerous angle, mission controllers were likely to order the crew to take off and rendezvous with Collins in Columbia. One hour 35 minutes after landing mission controllers had to make the historic decision to stay or not to stay. If it were to stay, it would be the signal to the crew to get ready to plant their feet on the surface of the Moon. After checking their craft, Armstrong and Armstrong were to climb down a nine-rung ladder and step into history as the first men to set foot on the lunar surface. On paper, the lunar pioneers were supposed to have left the cabin of their landing ship for nine hours, 55 minutes to retrieve the radio signals on the lunar surface and to pack the bed of the Sea of Tranquility. Armstrong doubted that he will be able to stay. If mission controllers were sure the space ship was not damaged on landing and if doctors were satisfied that the men were well, they would try to stay. The lunar module's main engine could begin any time after landing. The lunar surface timetable, called for the astronauts to spend 21 hours 36 minutes on the Moon in 10 hours and 40 minutes of that exploring the area around their SpaceShip, picking up soil and rock specimens to bring back with them to Earth. A television camera on the ship was to bring Earth viewers a step-by-step view of the exploration. Standard Staff Reporter The word "Trimeter" spelt out on the beach of a tiny island in the Indian Ocean has been spotted from an aircraft by a Navy reconnaissance plane. The plane was on a search mission for the USS Thetis, a submarine rescue ship. The plane was on a search mission for the USS Thetis, a submarine rescue ship. The plane was on a search mission for the USS Thetis, a submarine rescue ship.



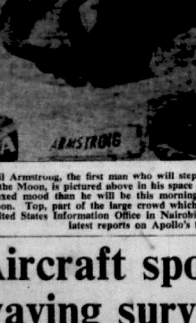
Neil Armstrong, the first man who will step down on to the surface of the Moon, is pictured above in his space suit, not doubt in a more relaxed mood than he will be this morning when he walks on the Moon. Top, part of the large crowd which could not get in to the United States Information Office in Nairobi yesterday to obtain the latest reports on Apollo's flight.

New orbit—and Luna mystery deepens

Soviet Union's Luna-15 satellite will circle the Earth in a new orbit. The mission was successful. The satellite is in a new orbit. The mission was successful. The satellite is in a new orbit. The mission was successful. The satellite is in a new orbit. The mission was successful. The satellite is in a new orbit.

Bernard said this phenomenon allowed a number of "interesting" observations. One was that the Soviet satellite had passed a capsule on the lunar surface and would pick it up again later on another revolution. Sir Bernard stressed that this was pure speculation. An unexpected continuation of the radio signals on the satellite's 20th orbit coincided with a sudden change in its orbit—a manoeuvre described by Sir Bernard as "remarkable." In the middle of the morning the signals from Luna-15 disappeared and the cabin of their landing ship for nine hours, 55 minutes to retrieve the radio signals on the lunar surface and to pack the bed of the Sea of Tranquility. Armstrong doubted that he will be able to stay. If mission controllers were sure the space ship was not damaged on landing and if doctors were satisfied that the men were well, they would try to stay. The lunar module's main engine could begin any time after landing. The lunar surface timetable, called for the astronauts to spend 21 hours 36 minutes on the Moon in 10 hours and 40 minutes of that exploring the area around their SpaceShip, picking up soil and rock specimens to bring back with them to Earth. A television camera on the ship was to bring Earth viewers a step-by-step view of the exploration.

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Aircraft spots waving survivors of lost trimaran

Their island-hopping until the plane was taken ill at Des Roches. The trimaran called at the island and Mr. Hutchinson asked the crew, all South Africans, to give him a lift back to the Seychelles. They were not welcome. The trimaran called at the island and Mr. Hutchinson asked the crew, all South Africans, to give him a lift back to the Seychelles. They were not welcome. The trimaran called at the island and Mr. Hutchinson asked the crew, all South Africans, to give him a lift back to the Seychelles. They were not welcome.

Challenge to Red Cross by Biafra

Biafra's Commissioner for Home Affairs, Mr. C. C. Mojekwe, has challenged the International Red Cross to hand over transportation and management of relief supplies to the Joint Church Aid. In a statement issued in Owerri, Mr. Mojekwe said that the I.C.R.C. would again fail to discharge its "primary responsibility to the victims of suffering and starvation in Biafra." Instead, he placed the interests of Britain and Nigeria foremost, knowing full well their policies of siege warfare and starvation of innocent Biafrans. Mr. Mojekwe added: "By seeking the interests of Britain and Nigeria while food for Biafra runs and planes remain grounded, the I.C.R.C. will soon become a partner in genocide by starvation." The official challenged the Red Cross to surrender all relief planes it holds, food and money donated for Biafra to Joint Church Aid which is a voluntary relief organization. The Red Cross has been criticized for its failure to provide relief supplies to Biafra. The Red Cross has been criticized for its failure to provide relief supplies to Biafra.

30 ISRAELIS KILLED IN BATTLE—CAIRO

About 30 Israelis were killed and nine wounded in a battle in the Sinai Peninsula. The Israelis were in a battle with the Egyptians. The Israelis were in a battle with the Egyptians. The Israelis were in a battle with the Egyptians. The Israelis were in a battle with the Egyptians. The Israelis were in a battle with the Egyptians. The Israelis were in a battle with the Egyptians.

EX-BUGANDA LEADER HELD

Sir William Wilberforce Nadipe, the former Ugandan Minister of Education, was arrested by police at his home near Kampala on Saturday and taken to Jinja police station. No police spokesman were available yesterday to give any details about the arrest. Sir William's house was guarded outside Sir William's house and a report was made that two other arrests were made in Kampala on Saturday. The arrested man was said to be a retired medical assistant.

Mboy murder inquiries go on

The Kenya Police Force are still mounting a "round-the-clock" search for a suspect in the murder of a man in Nairobi. The police are still mounting a "round-the-clock" search for a suspect in the murder of a man in Nairobi. The police are still mounting a "round-the-clock" search for a suspect in the murder of a man in Nairobi.

Two die in plane crash

The assembly, made up of both elected and nominated members, has completed its 92 sessions during which the Commission has been met three times. The second report will be presented to the President in September. The assembly, made up of both elected and nominated members, has completed its 92 sessions during which the Commission has been met three times. The second report will be presented to the President in September.

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Advertisement for Vespa Rally scooter, featuring the text 'It's new! It's great! NEW VESPA RALLY' and 'AN EXCITING new Vespa from the world famous Italian Piaggio organisation...'.

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ABOVE: Thousands of people packed Kakolela Social Hall, Nairobi, on Saturday when eight women's choirs, one of them pictured in action here, competed in a women's music festival organized by Nairobi City Council. Jericho city council women's training centre were the winners, followed by Nairobi Railway Women's Club and Karibungu city council women's training centre.

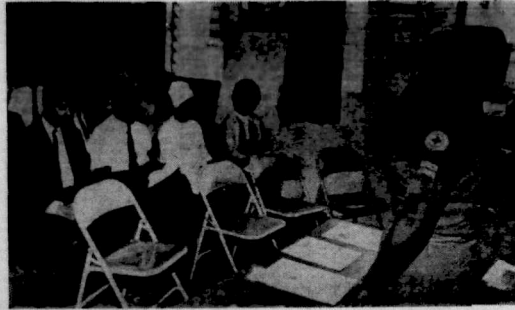
LEFT: A cheerful wave from the president of the Kenya National Chamber of Commerce, Mr. Z. K. Gakumu, as he stepped from his plane at Nairobi Airport after a tour of Europe.



Shown a show window of Photos Ltd. in Northey Street, Nairobi, on Saturday night and made cameras and cine projectors worth an unknown amount. Above, a policeman takes details from a night watchman.



Above: Kenya's chief inspector of schools, Mr. H. J. Kanina, presents one of the teachers who have finished the first course at the Kenya Science Teachers' College with his certificate on Saturday. The principal of the school, Mr. Ole Oterling, is on the left. Below: The national director of the Kenya Red Cross, Mrs. R. J. Mzee, makes a speech of welcome to teachers who attended a seminar at Red Cross headquarters on Saturday.



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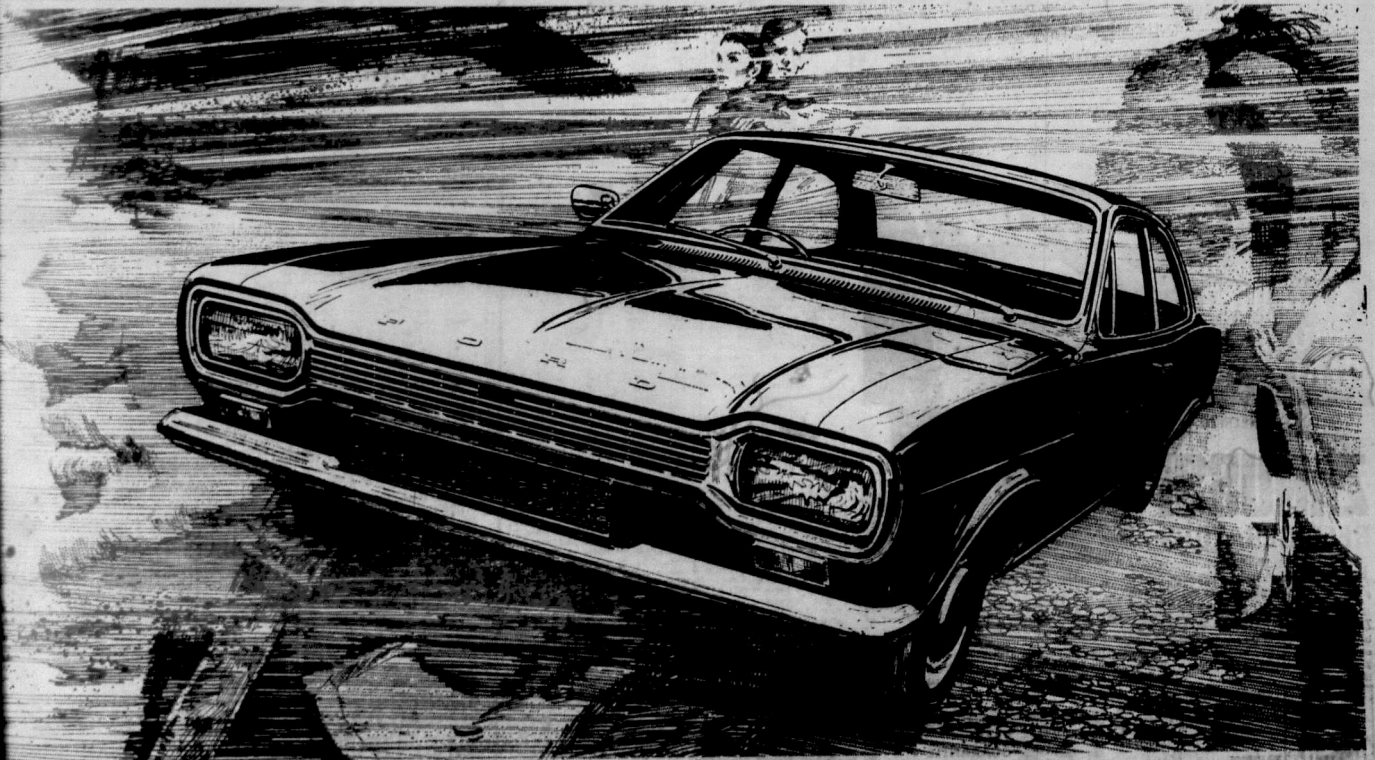
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Ford Escort

the small car that isn't.

Threshold of new era

As Neil Armstrong prepares to step into the pages of tomorrow's history books we salute the American astronauts who seek to set foot on alien soil for the first time. The Apollo-11 mission, described in newspaper accounts as the world's man's greatest adventure, is by any standards a fantastic achievement that has caught the imagination of people of all nations.

Yet the project is so astonishing that the ordinary man finds difficulty in comprehending the details.

To a motorist expected to complete most of his driving at around 30 m.p.h. it is impossible to picture a vehicle catapulting into Space at 24,300 m.p.h.

To a traveler who thinks a 5,000-mile flight to Europe is a major undertaking, a journey of 260,000 miles to the Moon in four days makes the imagination boggle.

To a man who thinks Nairobi's tallest building must weigh heavily on the ground, the Soviet project to launch a three-stage rocket nearly twice as high can lift off the Earth so effortlessly and accurately.

To a Nairobi driver who drops his passenger outside a shop in Kenyatta Avenue and then cruises round the block while the purchases are made it is strange to think of Michael Collins continuing in orbit while the other two astronauts "go shopping" for samples of the Moon.

Yet all these things are happening or are scheduled to take place in the next few hours. The prayers of all humanity will be with the astronauts as they put their courage to this tremendous test.

At the time of writing everything about the project was going with clockwork precision. Indeed it was proceeding so smoothly that the astronauts were slightly ahead of schedule, a time had been allowed for minor corrections which had not proved necessary. It is a purely personal opinion whether one thinks that 24 billion dollars should have gone into the Space effort of which this flight is the culmination but to criticize the technological advances which their many beneficial side effects on more mundane branches of industry, would be less than generous.

Not that the Moon is likely to offer any rich reward that lies more in the sense of achievement at having got there. The Moon itself is a dead world, without life, vegetation, sound, water or air. Once the initial excitement of setting foot on it wears off

it will be a dreary place, the monotonous landscape being relieved only by the craters and mountains, some of which astronomers say rise considerably higher than Everest.

The astronaut's first reaction to close-up of the Moon reinforced the idea that it is there existing in its implications that is its appearance. As they gaze down from the lunar surface, Armstrong was heard to observe: "It does not look very fertile to me."

In the same way the exploration of the Moon is an anticipation of our generation, so the circumnavigation of Africa is a dream in the mind of men of vision in Europe for hundreds of years. But it was only when the Christian era that we begin to find the first written records of attempts to reach India and the East by sailing around Africa. These were motivated by religious and economic reasons.

The riches of the East — costly and rare spices, aromatic, precious stones, rub and beautiful

July 1969, and the world waits with bated breath to follow the fortunes of the first man to set foot on the Moon in the culmination of a series of journeys, during which man, carbonized for thousands of years, has finally found his wings and leapt into Space.

As we salute the bravery of these space explorers, we also anticipate the time to pass and not for the first time to pass July 21, 473 years ago when Vasco da Gama was equally brave in preparing to sail into the unknown.

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VALERIE CUTHBERT recalls the first steps to reach the Coast of East Africa from Europe nearly five centuries ago, adventures which by the standards and knowledge of their time were just as daring as today's first steps onto the Moon today.

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As we salute the bravery of these space explorers, we also anticipate the time to pass and not for the first time to pass July 21, 473 years ago when Vasco da Gama was equally brave in preparing to sail into the unknown.

In the same way the exploration of the Moon is an anticipation of our generation, so the circumnavigation of Africa is a dream in the mind of men of vision in Europe for hundreds of years. But it was only when the Christian era that we begin to find the first written records of attempts to reach India and the East by sailing around Africa. These were motivated by religious and economic reasons.

The riches of the East — costly and rare spices, aromatic, precious stones, rub and beautiful

Ship at Mombasa has fire in hold

Harbour authorities like to see ships coming into harbour on an even keel and cargo intact. Yesterday a ship from Mombasa the other day from the open sea with a cargo of timber on her deck and a list of 15 degrees to starboard.

The ship's master contacted his agent in Mombasa, the nearest port to be reached. The vessel was a 1,200-ton ship named 'The Star' and was owned by the late Mr. G. O. O'Connell. She was carrying a cargo of timber and was on her way to the port of Mombasa.

The ship was sighted about 10 miles off the coast of Mombasa. She was carrying a cargo of timber and was on her way to the port of Mombasa.

JOHN ELGON'S DIARY

Mr. Galbreath says he is not sure if he is the bride, the groom or the witness. He is not sure if he is the bride, the groom or the witness. He is not sure if he is the bride, the groom or the witness.

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Young orators

Minister Karumi, a pupil at the Aga Khan High School, Nairobi, has been selected to represent Kenya at the 1969 Inter-Continental Oratorical Contest held at the Technical High School, Nairobi, last week.

Second was a pupil of Lenana High School, Mr. J. M. Njiru. Third was a pupil of Upper Hill School, Mr. J. M. Njiru. Fourth was a pupil of Upper Hill School, Mr. J. M. Njiru.

LETTERS TO THE EDITOR

Here to their amazement they found a bay where they anchored. Here to their amazement they found a bay where they anchored.

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Council policy on car parks

Plans allow me to answer some queries raised by Mr. F. M. Souch, on car parks in Nairobi.

Mr. Souch would like to reassert the City Council's policy regarding car parks in Nairobi. The original intention was to have five car parks in the city centre but the present situation is that there are only two.

The Council's policy is to have five car parks in the city centre but the present situation is that there are only two.

MAN ON THE MOON

It's Monday, July the twenty-first, and history's being written somewhere. Few days have had such a name. That someone's up there, up there!

There's that wonder in those gazing eyes, the eyes that are the eyes of the night. The others drop their lids in grief.

The Earth stands silent and still. The astronauts down, silent and still. The Earth stands silent and still.

P.O. parking

Referring to John Elgon's note on parking problems in Nairobi, I am sorry to hear that the City Council's latest revenue drive (one and two hours parking) has caused the K. and A. and the P.O. Office.

This is a progressive, so it means one hour parking for 50 cents for the first hour and 25 cents for the second hour.

Death

The death of a young man, Mr. J. M. Njiru, who was a pupil of Upper Hill School, Nairobi, has been announced.

The death of a young man, Mr. J. M. Njiru, who was a pupil of Upper Hill School, Nairobi, has been announced.

RACIAL HARMONY

Bermuda's second name is the 'island of the blue bay' but this time the British flag flies over the island. The island is now a British colony.

The island is now a British colony. The island is now a British colony.

Shadow on Bermuda

The shadow of the island is now a British colony. The island is now a British colony.

The shadow of the island is now a British colony. The island is now a British colony.

YEAR GUARANTEE

8 Year Guarantee with 100% Satisfaction. This is a guarantee that we give to our customers.

8 Year Guarantee with 100% Satisfaction. This is a guarantee that we give to our customers.

Special ex-bond duty free offer at Embassie Docks.

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ZANUSSI REFRIGERATORS. From a Country that has astounded the world with its engineering achievements and ability come these magnificent refrigerators by Zanussi.

ZANUSSI REFRIGERATORS are the best you can buy. Direct from one of the principal European consumer manufacturing electrical household appliances.

ZANUSSI REFRIGERATORS

ZANUSSI uses expanded polystyrene which has exceptional high insulating properties. This means that your refrigerator will keep your food cool for a long time.

ZANUSSI REFRIGERATORS have built-in doors so that there is no need to open the door to see what is inside. This means that your refrigerator will keep your food cool for a long time.

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Come and give us a try. The Zanussi Refrigerators are the best you can buy. Direct from one of the principal European consumer manufacturing electrical household appliances.

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Refrigerators

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...American spacemen are due on... today, an achievement which... eight years of frantic effort... ally put in motion by the late... Kennedy.

than 8,000,000 parts.
The bonus of this effort, which cost the United States \$24,000,000,000 or \$250 for every moon, woman and child in the country, has been paid today, with those two lonely men trudging through the pristine dust of another heavenly body.

Armstrong, the Apollo-11 Commander, and Michael Collins, the Command Module Pilot.
For them the landing represents the highlight of a career by far the largest part of which has so far been spent simply training.

In the following four pages the "East African Standard" gives a detailed description of what the flight has achieved and what the future holds in store for space travellers.

Man's three hours on the moon

Lunar astronauts spend the three hours on the moon performing "housekeeping" — checking instruments, repairing damage to equipment, using electrolytic cells for generating their own power, and using water and other materials to maintain a Mission Module. The lunar back pack is the power source before landing. At that time, they take pictures of the moon's surface. The primary oxygen supply is expected to last about four hours, but an astronaut performing heavy workloads — and breathing deeply and often — could deplete the supply in just three hours. Should the oxygen run out, the primary supply will fail for any reason, he has no means of returning to Earth. Astronauts anticipate no difficulties in getting back to the Lunar Module in that time.

The possibility that an astronaut could be injured or incapacitated is considered extremely remote. The pressurized spacesuit makes harmful accidents almost impossible.

Protection from the impact of micrometeorites is designed into the Apollo suit. It has 21 layers, many of them composed of closely woven fibers that will repel such strikes.

This protection, the two astronauts are ready to venture out into the lunar dawn. In the land around it is early morning. The brilliant sun beams from only just above the horizon. Shadows are crisp and black, aiding the astronauts in identifying lunar features.

First to descend is the mission commander. For the time being the Lunar Module pilot remains hunkered up to the spacecraft's oxygen and water in the open hatchway. Throughout the entire exploration, both astronauts are in constant radio contact with earth — with their own crewmate as well as with the moon.

All activities are directed by the well-rehearsed sequence plan. As the Lunar Module pilot takes photographs from the hatchway, the commander works steadily on the surface. Moving deliberately to the Module cabin, the commander will open a compartment and place their first trip to the lunar surface. They will guard against the possibility of a meteorite strike, and a large white helmet with the life support system will be used. The 120-pound lunar oxygen

supply, emergency oxygen, communications equipment, a cooling system, and several controls and instruments. Everything is battery-operated.

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pebbles, dust, loose dirt and chunks of the moon. When the cup is full, he caps it tightly. A one kilogram contingency sample of moon material is ready to journey to the earth.

While he lumbers back to the Lunar Module ladder with the armload of items, his colleague unravels a long rope attached to a bag-like container.

After checking proper attachment to a pulley just above the hatch, he tosses it to the ground near the ladder. The pilot puts the cup of lunar dirt in the bag. The pilot pulls the bag into the cabin and locks the bag safely away.

With the initial activities completed, it is time for the pilot to descend. Now there work enough to keep both astronauts busy for another hour or two.

Together they perform a careful walk-around inspection of their craft. Particularly they seek signs of internal damage from landing — satellite weeps of leaking oxygen, drops or rivulets of all-important fuel.

Finding nothing, they begin to take detailed photographs of the Lunar Module. Close-up pictures of the legs, foot-pads and crotch (the rocks and dirt displaced by the foot-pad) are of prime importance.

These will be studied by engineers on earth to either verify or modify future spacecraft designs and by geologists to learn more about the strength, density and composition of the landing zone.

By this time, exploration is well into its second hour. The astronauts separate.

The Lunar Module pilot returns to the open compartment where he began his work. From it, he removes a metal box, a still camera.

Specially designed for use on the moon of the Solar Wind. Before leaving the moon the astronauts will add the sheet of aluminium foil to take it back to earth for scientific analysis.

During the last minutes of their stay on the moon both astronauts join in the search for important geological clues to the origin of the moon. They will move around the Lunar Module in an ever-tightening circle, taking great care in their choice of samples to bring back.

Shortly before liftoff the astronauts will open the hatch for the last time. The heavy, and now useless, backpacks will be tossed out, joining the tools already abandoned.

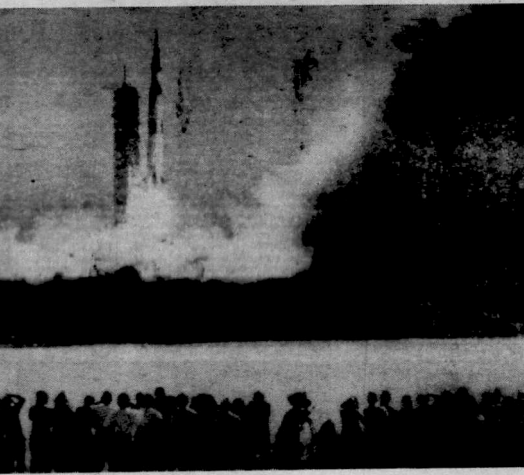
Leaving the moon is the single most critical period of the entire mission. To make it as foolproof as possible, engineers kept the ascent rocket simple in both design and operation. Unlike the braking rocket used for landing, the ascent engine has no throttle control and no steering mechanism. It has almost nothing more complicated than fuel valves and an on-off switch.

At the chosen moment the rocket blazes into life. Rapidly climbing upward an orbit around the moon, the ascent stage must reach a speed of about 4,000 miles (6,500 kilometers) per hour. There is no atmospheric resistance and just one-sixth the pull of the earth's gravity to overcome. It should take no more than a minute.

Now, even if their rocket suddenly failed, the astronauts have reached a lunar orbit — its low point just 100 miles (16 kilometers) from the surface, but still within reach of a rescue mission by the Command Module if further manoeuvring is impossible for the Lunar Module.

In every step of our designing and planning we have included backup equipment for the crew safe. The controller said: "That first lunar ascent stage is going to be the closest thing to a parking lot that we can find."

The dramatic picture above, taken during the Apollo-10 flight, shows the lunar module about to enter one of the most crucial stages: docking with the command module, from where the picture was taken with the craters of the Moon beneath. Excitement ran high at the Cape Kennedy Space Centre when the huge Saturn V rocket blasted off on Wednesday leaving behind an immense cloud of smoke and flames (below).



Hostile world

Research over the centuries has established that the Moon has virtually no atmosphere. Temperatures vary from the extremes of 110 degrees to minus 150 degrees, and there is a real likelihood of life on the satellite.

The surface is varied and formed of a great waterless sea, mountains ranging rising to 25,000 feet, steep crevices and craters varying in size from one mile to 180 miles in diameter.

One of the questions which may soon be answered by man's exploration is the origin of the craters — whether they are volcanic or have been caused by the impact of meteorites.

The origin of the Moon and even the Earth may be clarified by findings.

The theory of Darwin was that the Moon was once part of the Earth which broke away, leaving the gap which is now the Pacific Ocean. This theory, which has been strongly challenged.

A second theory is that the Moon was once a part of a huge mass of gas and dust subsequently developed by a different manner.

A third theory is that there is no connection between the origin of the Earth and the Moon — and that the Moon may have been "captured" from outer space.

Despite its barren appearance the satellite is not entirely "dead". Avalanches and tremors have been observed and large quantities of gas are occasionally emitted.

The absence of atmosphere on the moon has been established by spectrographic observation which shows the light from the moon to have the same spectrum as that from the sun.

According to the Soviet scientist, Ledevsky, the moon is very gradually losing weight. Although sound by meteorites which add to its weight it is being gradually "eroded" by rays from the sun.

The temperature of more than 110 degrees exists at the height of the "day" which, on the moon, lasts the equivalent of 14 earth days and the bottom temperatures of minus 150 degrees in the middle of the "night" which is also 14 times longer than night on the earth.

But because of the protection of the space suit, absence of atmosphere and the fact that it is the moon morning temperatures will appear normal to the astronauts.

Some statistics are: Surface: 36 million square kilometers, less than the surface of Earth and South America together and one-third of the surface of the earth.

Average diameter: 3,476 kilometers, a little more than a quarter of that of the earth.

Volume: 49 moons would equal the volume of the earth.

Weight: 81 moons would be needed to equal the weight of the earth.

Programme for the return

The procedures through which the craft was placed into Moon orbit are now repeated for removal of the craft from that orbit.

Calculations by computers on earth are radioed to the craft's on-board computer and the astronauts are also given necessary instructions. Then come those some moments when the craft once again disappears behind the Moon out of contact with earth.

At the right moment the computer triggers the main engine, the Service Propulsion System. In about 200 seconds of firing that engine accelerates the craft from its 3,600-mile (5,750-kilometre) an hour Moon orbited speed to a Moon orbit escape velocity of about 5,900 miles (9,500-kilometre) an hour.

This firing is crucial. Failure could leave the astronauts stranded in Moon orbit, with no chance of getting back to earth. Insufficient acceleration could set the craft on a false course, and probable collision with the Moon.

But so no one on earth can know whether the firing is successful until about 30 minutes later when the craft emerges from behind the Moon and communications with earth are re-established.

Midcourse corrections are made, if necessary. The craft is kept steering slowly to distribute the sun's ultraviolet heat — and other space's heat — equally over the craft's surface.

The earth's gravitational pull accelerates the craft, and as it reaches the earth's vicinity it is "falling" toward earth at a speed of about 25,000 miles an hour.

Shortly before the craft re-enters the earth's upper atmosphere, the Service Module is jettisoned. Its supplies and equipment are no longer needed, and thus it has not been designed to survive re-entry.

The astronauts turn their Command Module so that its blunt end faces forward. Entry into the earth's atmosphere is considered to begin at an altitude of about 600,000 feet.

CONGRATULATES THE MEN ON THE MOON

TRAINING, COMPUTER AND CONTROL EQUIPMENT DESIGNED BY OUR GROUP HELPED GET THEM THERE

FRIDEN DIVISION SINGER SEWING MACHINE CO.

P.O. BOX 350, NAIROBI

ELECTRONIC OFFICE AND DATA PROCESSING EQUIPMENT

Expensive array of effects abandoned in desolate Moon-cape by Apollo astronauts before return to Earth

Astronaut's backpacks
Camera
Tools
Laser reflector
Survival suit overalls

FRIDEN

LINKING EAST AFRICAN AND NORTH AMERICAN PORTS

PROUDLY SEND SINCERE CONGRATULATIONS TO THE UNITED STATES ASTRONAUTS ON THEIR INCREDIBLE MOON LANDING ACHIEVEMENT

The reception on Earth—for the men...

Though scientists are convinced that no life in any form exists on the Moon, they want to make just as certain as they can that returning astronauts do not bring with them undetected invaders, possibly in the form of hostile micro-organisms.

Scientists would want to insure any such safeguards as the extremely unlikely event that they exist and manage to survive the trip.

When they open their spacecraft after splashdown in the Pacific Ocean about 1,000 miles (1,600 kilometers) southwest of Hawaii, the astronauts will be helped into plastic "biological isolation garments" brought by a waiting recovery crew. These garments, completely enveloping the astronauts, prevent any organisms from escaping. A built-in filter even cleanses the astronaut's exhaled breath.

As the astronauts then board a raft, the spacecraft hatch is sealed and the raft is lifted from the water by a helicopter that takes it to a recovery ship.

There can be no contamination on the spacecraft's outside. It never touched the moon. Only the Lunar Module did, and it did not return

to earth. Also, no living entity could conceivably survive the friction and heating of the craft's exterior during reentry.

On the ship, the astronauts will immediately enter a specially-designed trailer-like van, which is formally known as a bacteriologically sealed mobile quarantine facility. Like the isolation garments, which they can now remove, the van prevents organisms from escaping, and filters outgoing air.

In this van, the astronauts will make their home for several days much as they lived in the spacecraft during their moon journey, but not nearly so cramped.

However, they will not be alone in the van. A physician to examine them and an engineer to keep the van's systems operating will join the astronauts in their confinement.

Once the ship reaches port, the van will be driven by truck to an airport and loaded into a cargo plane for transportation to the Manned Spacecraft Center at Houston, Texas.

There, the sequence will be reversed. Loaded back on a truck, the van will be taken to the rear entrance of a special building that has been in the planning and construction for more than four years, exclusively for this purpose.

It is the Lunar Landing Laboratory, and the astronauts will enter it through a passageway that enters the main dome about 100 feet. The separation of the astronauts and their equipment from all other life on earth will be almost complete.

The air the inhabitants breathe will be filtered and purified before being pumped through the building's air-conditioning system. Wastes will be sequestered before being removed. No one will be permitted to enter or leave.

But life will not be unpleasant. In some ways it will be comparable to life in a comfortable hotel.

There are nearly 100,000 living and dining areas, spacious bedrooms and a gymnasium. Also, there are offices for communications and laboratory for physicians, microbiologists and botanists who will also be housed there, along with cooks and housekeepers.

Even more appreciated by the astronauts is likely to be a glass-walled interview room.

STAGES IN THE JOURNEY

When the command module returns to Earth it will only be a fraction of the size and weight of the complete space vehicle which started out on the journey to the Moon.

The diagram below illustrates how the Saturn rocket leaves the Earth, and the "two-orbit" docking procedure of the command module Columbia with the lunar module, code named Eagle, takes place.

Then the third stage of the rocket is fired again to send the spacecraft to the Moon.

When the Moon is reached, the retro-rockets are fired to put the spacecraft into lunar orbit. After checking systems, the lunar module leaves the command and service module to descend to the Moon's surface, with Armstrong and Aldrin aboard. Collins remains in the command module.

When operations on the Moon are finished, the lunar module ascends with its own rocket, leaving the descent stage behind on the Moon.

Once docking has taken place and the two astronauts have entered the command module, the service module rockets are fired to send it back to Earth, leaving the descent stage of the lunar module to continue in solar orbit.

After the spacecraft has returned to Earth orbit, the service module is abandoned, and the command module alone makes re-entry to the Earth.

...and the rocks

While the three astronauts of the Apollo-11 crew were rehearsing their moon-landing flight in detailed simulations in recent weeks, a crew of scientists and technicians was practicing with equal devotion for quite another aspect of the mission.

They were preparing themselves for the complex task of handling the rocks which the astronauts are expected to bring back from the moon's surface.

Both — astronauts and the service rocks (along with the Apollo-Spacecraft itself) — will be stored in the same building after arrival from the moon.

While the astronauts spend their quarantine period of about two and one-half weeks in the Laboratory's Quarantine Crew Reception Area, the rocks will be taken for safekeeping to the Sample Laboratory which is less elaborate.

For the rocks, isolation works two ways — preventing them from possibly contaminating the earth, and protecting them from being contaminated. Any contact with the atmosphere or objects on earth could change them so as to destroy much of their value to the scientists.

Sophisticated analytical instruments and sterilization equipment have been installed at the laboratory to help scientists determine the composition and properties of these rocks and, hopefully, also much about their history.

Because there is no water or atmosphere on the moon, erosion as it occurs on earth is almost absent there, and the rocks may hold clues, long erased on earth, to the origin of the solar system.

When the astronauts gather the 50 pounds of rocks they will place them into special containers which remain vacuum-sealed throughout the return journey. After splashdown in the Pacific Ocean, spacecraft, astronauts and rock containers will be brought to a recovery ship and from there flown to Houston.

At the laboratory, the outside of the rock containers will be purified by ultraviolet light and an acid bath, and then rinsed in sterile water and dried by sterile nitrogen. Then, the containers will be moved into a small vacuum chamber.

Through apertures just big enough for hands and arms, which are encased in protective gloves and sleeves, scientists will reach into the chamber to open the containers and remove the rocks.

After sorting the rocks, they will measure and analyze nuclear radiation and gas emanating from them, weigh them on a sensitive scale, photograph them with six carefully placed cameras and view smaller pieces under microscopes.

These first measurements are considered "time-critical." For example, isotopes of certain elements are bound to change the longer the rocks are away from the Moon, thus prompt testing gives a more accurate picture of Moon conditions.

For experiments which can be done at leisure, some of the rocks or parts of rocks will be shipped to the laboratories of about 150 scientific specialists.

Some investigations will require portions of rocks to be dissolved in various chemicals, heated until they turn to fluids or gases, frozen almost to brittleness, or subjected to almost every other imaginable condition.

Eventually, all samples not destroyed during examinations will be returned to the laboratory in Houston for examination by still other scientists.

There must be no mistake with the Moon samples. Though many more samples are expected to come from the Moon through several Moon-landing flights that will follow Apollo-11, each landing will be in a different area of the Moon, thus no more samples are likely to come from the Apollo-11 region for a long time.



THE OBJECTIVE — this picture of the full Moon shows up well the dark patches or "seas" which are really flat plains below the level of the craters and highlands. The Sea of Tranquility, where the astronauts have landed, is in the middle of the line of dark patches on the right.

EXTELCOMS TELEPHONE SERVICE 1981?

A \$9 million satellite earth station is being built in the R.R. valley near Mount Moring, Kenya. It points Eastward to the communication and will open the door to instantaneous communication with all parts of the world.

The whole concept of satellite communication is exciting. Extelcoms has put East Africa on the night of the twentieth century.

They give you the most rapid achievement benefit East Africa. The Indian Ocean satellite, Intersat III, will link areas, which already trade together into a complete system of perfect communications, where they do not already exist. It will also benefit you the individual.

Overseas telephone calls will become cheaper and by 1971 there will be some direct mail routes between East Africa and the rest of the world.

East African External Telecommunications Co. Ltd.

WE ARE FIRST ON THE MOON BULOVA ACCUTRON

GIVE SOMEONE A PIECE OF A SATELLITE

Give someone a Bulova Accutron* watch. It has the same basic movement as the timing devices aboard the Explorer, Telstar, Tiris, Syncom, and Pegasus satellites. And the Gemini and Apollo spacecraft. Vibrations of a tiny tuning fork divide each second into 360 equal parts. And keep the Accutron timepiece right to within a minute a month... an average of two seconds a day. Bulova guarantees it in writing. And no watch on earth is as well received as the time-piece of the astronauts.

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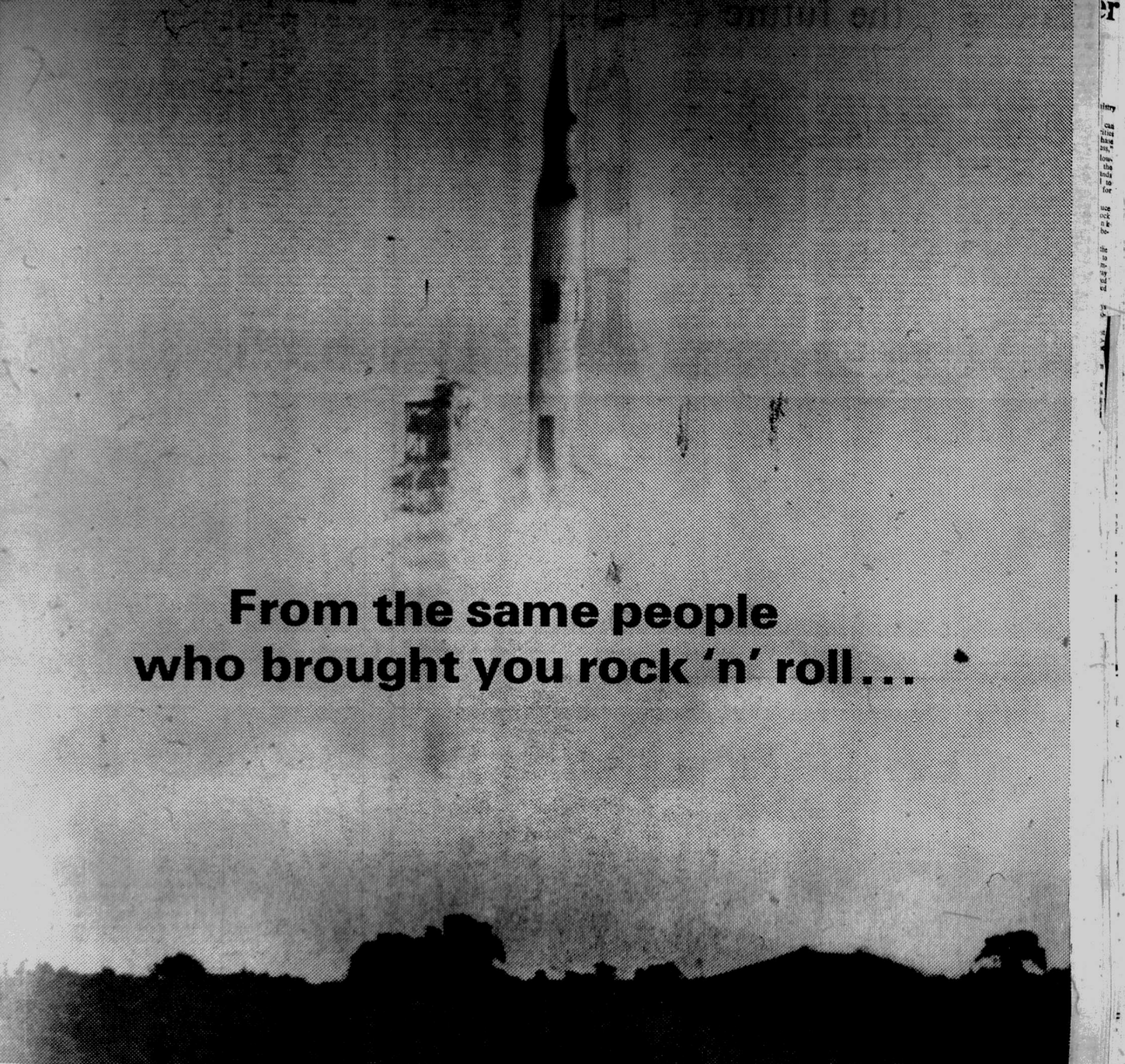
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**From the same people
who brought you rock 'n' roll...**

After a deafening roar and an awesome column of flame over billowing smoke, the Apollo 8 began a fantastic voyage to the moon.

It took ten years, 20,000 contractors and 300,000 engineers, technicians and workers.

Each part had to be perfect, each little switch and relay.

It is almost impossible to imagine the total efficiency necessary to such an undertaking.

The fact is, TWA played a direct role in the National Aeronautics and Space Administration programme at the Kennedy Space Centre in Florida.

Some 3,000 TWA employees took responsibility for base support services and the entire maintenance programme there.

On December 27, at 10:51, parachutes floated the spacecraft down to the sea.

It was 11 seconds earlier than the mission's predicted splashdown time.

Americans have been accused, and not unjustly, of frivolity, of lacking culture, of a certain naive over-reaching.

But one thing we have always been praised for: the incredible precision that can make a reality of the dream... to reach for the moon.



This is America : this is TWA

MAN ON THE MOON

Scientific workshop of the future

Will the Moon become a giant laboratory in a few years? Will it rival, and even overtake, the inhospitable Antarctic continent as an international scientific workshop?

For some time now these questions have been hotly debated in scientific circles.

Scientists of many nationalities, under the aegis of the International Astronautical Academy, have drafted plans for scientific colonization of the Moon.

The idea of constructing an international lunar laboratory, as soon as progress in astronautics made this feasible, was first announced in 1960.

Since then, annual international conferences have been held to thrash out a problem which only 15 years ago would have seemed utopian.

An answer to the question of whether permanent or semi-permanent scientific bases will be set up on the Moon should be forthcoming within two or three years, according to N.A.S.A.

"We shall know then if setting up such bases is justified," they have said.

Apollo-11 will be the sixth Saturn-F mission. A total of 15 of these rockets have been built or are under construction.

This means that after the Apollo-11 mission nine other Saturn-F rockets will remain for lunar exploration flights.

If complete success follows the Apollo-11 launch and the three other U.S. Moon-landings authorized by Congress, N.A.S.A. plans to send astronauts to six other regions on the visible side of the Moon.

Of the four landings scheduled

in the first phase of lunar exploration, two are to be on the lunar "sea" in east and west, and two others in higher regions, including one, possibly, near the edge of a giant crater.

In a second phase, landings will take place in regions where the relief and structure is unusual, or anomalous, for example in the lunar valleys, zones where the surface is fractured or zones such as the Copernicus Crater, where meteorites have impacted.

It will be necessary to make no more than minor alterations to the lunar excursion module (LEM) for this purpose.

The astronauts will be more mobile. They will have mini-rovers to drive in, and they will be equipped with more perfected tools and scientific instruments.

This phase is due to end between 1971 and 1972.

At that point Nasa officials believe they will have enough information to decide whether it is possible, and whether it is necessary, to set up permanent or semi-permanent bases on the Earth's natural satellite.

Between then and now it may be presumed that the Soviet Union will have put men on the Moon as well, and made known their own decision on the same subject.

The future of lunar colonization depends essentially on getting the price of the earth-moon fare down.

Roughly, this is estimated at

present to be about \$5,000 per pound carried. This is undeniably prohibitive.

The solution to cheaper prices lies essentially in the possibility of recovering rockets and spacecraft and using them again.

The Americans believe that by 1975 this will enable them to do the trip for ten times less.

This will open enormous vistas for more manned flights, for assembling space stations and setting up laboratories on the moon.

One valuable product which has emerged from space exploration is the "technology of perfection."

Industry now has developed an unprecedented capability for precision and flawlessness. Every time a Saturn-5 rocket is successfully launched it is known that more than 400,000 people in 20,000 factories did the essential things right.

There were some 1,000,000 parts in the Saturn-5 rocket and the Apollo-11 space vehicle that flew to the vicinity of the moon in December 1968.

A level of 99.9 per cent for the reliability of these parts would mean that one part in a thousand might fail. Thus on each flight there would be the intolerable situation of about 3,000 part failures.

Only five non-critical parts failed on the entire six-day, 530,000-mile Apollo-8 flight. That is a demonstrated reliability of 99.9999 per cent — a phenomenal level.



THE MACHINES

Concentration of power and precision

The Apollo spacecraft weighs about 43,500 kilograms and, with its escape tower attached, stands about 25 metres tall. It is actually two spacecraft in one.

The basic spacecraft, the command module and service module, operates throughout a lunar mission; the lunar module performs only in the vicinity of the Moon. Since it is never exposed to the atmosphere, the lunar module needs no aerodynamic features. It has no readily definable shape, but with its joined landing legs extended it resembles a huge spider.

The lunar module has two parts, or stages. The lower or descent stage contains the throttleable rocket engine which permits the module to back down to the Moon, its propellant tanks, and a bay for scientific instruments. These instruments — camera, soil analysis equipment, a seismograph, and various measuring devices — are used by the astronauts on the surface of the Moon; some of them are left behind to report data to Earth after the astronauts' departure.

The upper stage is more complex, because it is the astronauts' shelter during their stay on the lunar surface. It has built-in equipment of the basic spacecraft — environmental, communications, and guidance and control systems — plus the 1,600-kilogram thrust ascent engine and its necessary tankage. The 16 reaction control engines, or thrusters, which govern the craft's attitude during descent and return are mounted at the four corners of the upper stage.

The Apollo basic spacecraft, shaped somewhat like a bullet, with a conical nose tapering to a small thruster cylinder. The conical part is the command module; the

cylinder with the protruding escape tower is the service module.

The shape of the command module is one of the indicators of the difference between a deep-spacecraft and an earth-orbital craft. Topped in the dock during launch, the command module must have aerodynamic characteristics, hence the conical tip. For earth entry, it has a blunt bottom to dissipate friction heat over the broadest possible area and, at the same time, to create air drag to slow the descending spacecraft.

Just about everything in the Apollo spacecraft that works needs electricity. Batteries to supply power for all of it would take up far too much of the allowable space and weight, so Apollo designers substituted a trio of fuel cells.

Located in the service module, these units create electrical power by combining hydrogen and oxygen in cells or chambers.

The other major system housed in the service module is the very important stage that is officially part of the Service Propulsion System. Capable of producing over 9,100 kilograms of thrust, Apollo's system handles the multiple adjustments of course correction between earth and moon, and the two critical firing injections into lunar orbit and the firing that takes Apollo out of moon orbit and starts it enroute.

The rest of the service module is a compact mass of tanks. There are propellant tanks for the service propulsion system and for the 16 small thrusters on the exterior of the service module; helium tanks

for pressurizing the oxygen tanks; and the hydrogen and oxygen tanks for fuel-cell operation and for the crew.

In addition, the module contains a space radiator, part of the environmental control system, and a mass of umbilical cables which connect the systems with the command module.

The whole package is cradled in a cylinder about 91 metres long and constructed of 21-centimetre-thick aluminium honeycomb panels. The service module needs no ablative coating; it is expendable.

The job of producing the energy for the Saturn V launch vehicle is shared by two types of rocket engine, the F-1 and the J-2. The engine, the F-1, produces 680,000 kilograms of thrust. It stands as tall as a two-story house, is more than 31 metres wide at its base, and weighs 8,400 kilograms. It burns 2,700 kilograms of propellant every second, and the temperature in the combustion chamber reaches 4,000 degrees Fahrenheit (3,315 degrees Centigrade).

Although it is not anything like the F-1 in size, the J-2 engine is a development of equal significance. Its great advantage is in the use of liquid hydrogen as fuel.

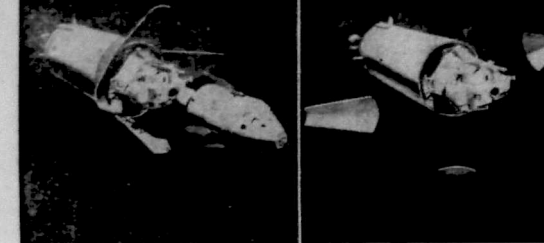
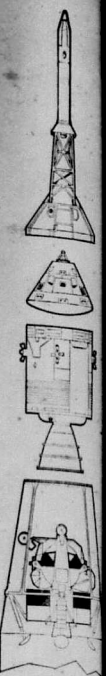
Hydrogen weighs only one-eighth as much as kerosene and produces about 75 percent more energy.

There are, however, many problems. Liquid hydrogen is a super-cold low-density fuel, extremely difficult to handle. The J-2 also shares many of the F-1's problems; it is small only by comparison with the F-1.

The Saturn V launch vehicle consists of three stages, the first powered by five F-1's, the second by five J-2's, the third by a single J-2. Reduced to its essentials, a stage consists of a propulsion system, its tankage, a structure to support the stage's weight and distribute the force of thrust, and an airframe.

Such was a major complicator of Saturn V development. Take the first stage. It is 10 metres in diameter and 42 metres tall. Its fuel tank holds 810,000 litres of kerosene and its liquid-oxygen tank contains an incredible 311,000 litres of oxidant. Fully fueled, the first stage weighs 2,245,000 kilograms; almost 2,060,000 kilograms of that weight are in propellant, all of which are consumed in 160 seconds by the five F-1's.

The second stage is a cylinder 11 metres high and the same diameter as the first stage. A unique feature of the stage is the fact that the liquid hydrogen tank and the liquid oxygen tank are separated only by a single bulkhead. Liquid hydrogen must be maintained at a temperature of 423 degrees below zero Fahrenheit (- 253 Centigrade); liquid oxygen at - 297 degrees Fahrenheit (- 173 Centigrade). The second stage does not have anything approaching the appetite of the first stage, but it does manage to consume over 220,000 litres per



One of the most complex manoeuvres after leaving Earth, Apollo 11 is docked with the lunar module, here graphically illustrated. The first picture shows the lunar module emerging from its protective capsule behind the service module.

Secondly, the service module pivots its rocket to turn round so that the

command module is facing the lunar module. In the final picture, the actual docking process takes place.

The two modules can then make their journey onwards to the Moon together.



The diagram illustrates the sequence of operations for the Apollo spacecraft. The first picture shows the lunar module emerging from its protective capsule behind the service module. Secondly, the service module pivots its rocket to turn round so that the command module is facing the lunar module. In the final picture, the actual docking process takes place. The two modules can then make their journey onwards to the Moon together.

The Mercedes-Benz truck

Mercedes-Benz truck 235

Highly attractive uranium 235: probably the most dangerous 4 pounds on earth.

It had to be transported 300 miles, from the Eastman center at Lynn, across northern and central Italy to the nuclear research center at Casaccia.

How was it done? In 18 tons of uranium ore, and produced in the process.

The uranium was sent onto a truck, transported across Italy.

A surprising fact for a Mercedes-Benz truck? It's not surprising to find a Mercedes-Benz truck in every country in the world.

Selfish thinking not in the interests of E.A.C.

Staff Reporter
East African Minister
communications, Research
Social Services, Mr.
his views that the
States of the East
Community should not
in terms of gains or losses
themselves.

New Dar tourist sort under way

Staff Reporter,
Dar es Salaam.
The city is in full swing
with the opening of the
season on the island.
The hotel is to be constructed
on the island. The first phase
is already in progress.
The hotel will include the com-
plex of buildings to be built
to be lit by lanterns.
The hotel will be a complete
accommodation.
The hotel will be built from
the island.
The hotel will be built from
the island.
The hotel will be built from
the island.

REFUGEES LEAVING SUDAN TODAY

Staff Reporter,
Kampala.
Sudanese refugees in
the Sudan are expected
to leave the Sudan today
by air.
The refugees are expected
to leave the Sudan today
by air.

Employer failed to pay £493

Staff Reporter
manager of Zulu Printers,
Nairobi, has been ordered
to pay £493 to the
employees of the
firm.
The court has ordered
the manager to pay
£493 to the employees
of the firm.

President calls for unity

President Kenyatta has stressed
the need for people to maintain
co-operation and to love
each other.

RIVER OF ESCORT AR INJURE

Staff Reporter
Continental Hotel in Nairobi,
one street has been made
obscure.
The hotel is in Nairobi,
one street has been made
obscure.

the customer was "indispensable
and inflexible."
The principal of the school, Mr.
E. Oweo, said that 1,000
students had completed various
technical courses in the past year,
the majority of them in electrical
and traffic staff.

Man denies part in Met. Office raid

Staff Reporter
A highly regarded man appeared
in a Nairobi court today to deny
any part in the Met. Office raid
last week. He was charged with
concealing stolen goods.
The man, whose name was not
disclosed, was charged with
concealing stolen goods.

MINSTER URGES NEED FOR AIRLINE

Staff Reporter
Kenya churches were praised
for their growing unity by the
Vice-President, Mr. Mol, yes-
terday when he laid the founda-
tion stone of a £15,000 cathedral
which is being built in Nakuru
by all Christian denominations
in the district.

KIDNAPPING CLAIM BY POLICEMAN

Staff Reporter
Nineteen teachers last weekend
completed the first part of an
updating course for O.L. or S.I.
graduates to university graduate level
at the Kenya Science Teachers
College, Nairobi.
The course was started 18 months
ago and at least 14 of them will
be admitted into the University
College, Nairobi, next September
for degree work leading to B.Sc.

Malawi civic leaders start visit to Kenya

Staff Reporter
The Mayor of Blantyre, Malawi,
Coun. J. G. Karwendlo, flew into
Nairobi at the weekend for a
week's civic visit and yesterday
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Family Cathedral with the Bishop
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and other official and commu-
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Church unity in Kenya

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14 teachers will take degree course

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TANZANIA-UGANDA LINE OPENING

Staff Reporter,
Dar es Salaam.
At the Apollo-II mission
reaches its climax, East Africa to-
day makes a very important step
in the advancement of social and
economic progress. The opening
of the East African Railway Cor-
poration's modernisation pro-
gramme is being celebrated today.
The programme is being celebrated
today. The programme is being
celebrated today.

Call for high sports standard

Staff Reporter
The sporting side of education
must be given very seriously in
Kenya if the country is to main-
tain its already very high standard
in athletics. The Minister for Edu-
cation, Dr. Kioko, said at the
weekend at an address meeting at
Ruru High School, near Nairobi.
"All educational institutions were
concerned about sports and about
finding successors to Kenjo, Wari-
ngi, Biwott, Temu, Jipcho and
others and the standards these
people had set should not be
allowed to drop.

Killing 'stain on Kenya's good name'


Staff Reporter
The assassination of Mr. Mboya
has stained Kenya's good
name, the president of the Kenya
Chamber of Commerce and
Industry, Mr. R. K. Gakuni, said
at the weekend.
Mr. Gakuni, who arrived back
from a three-week tour of Europe,
told reporters at Nairobi Airport
that the assassination of Mr. Mboya's
assassination was received with grief
everywhere and that it was
regarded as a tragic incident.
"Although people in Europe
would be shocked to see no adverse
effect on Kenya's social and
economic tranquility the assassina-
tion has definitely stained the
country's reputation.

ASSISTANT FINANCIAL ACCOUNTANT

A large manufacturing company invites applications from
Kenya citizens for the post of Assistant Financial Accountant.
Only candidates who possess an intermediate certificate of
a recognised accountancy body and have at least four years
experience in a similar position need apply.
The salary is £1,200 by £60 to £1,800 per annum plus free
rented house.
Applications giving full details of qualifications and previous
experience should be forwarded to
Advertiser
Voucher K846

Advance of Lightness

For summer in the city,
for relaxing anywhere,
the cool, cool comfort
of a Debs Lightweight suit
is a matter of course.
To see the new range
visit us now.



The Malawian party was met at
the airport by the Malawi chaplain,
the Rev. D. Phalaborwa,
Coun. and Mrs. Luzondo, the
Deputy Mayor, Coun. J. Ogunbiyi,
the Town Clerk, Mr. I. Mbugua,
and other official and commu-
nity dignitaries.

NEW TELEPHONE NUMBERS

East African Standard, Box 30868, Nairobi 26421. Photo Sales, York Street, Nairobi 26421. Kenya Department, York Street, Nairobi 26421.

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SITUATIONS WANTED

Attention: Mechanical Engineer. Seeking position in Kenya. Nairobi 26421.

Domestic. Seeking position in Kenya. Nairobi 26421.

FOR SALE. Private. Various items for sale. Nairobi 26421.

FOR SALE. Commercial. Various items for sale. Nairobi 26421.

FOR SALE. Residential. Various items for sale. Nairobi 26421.

FOR SALE. Industrial. Various items for sale. Nairobi 26421.

FOR SALE. Agricultural. Various items for sale. Nairobi 26421.

FOR SALE. Miscellaneous. Various items for sale. Nairobi 26421.

MOVING VEHICLES AND MOTORING REQUISITES

Motor Vehicles for Sale. Various models and prices. Nairobi 26421.

FOR SALE. Commercial. Various items for sale. Nairobi 26421.

FOR SALE. Residential. Various items for sale. Nairobi 26421.

FOR SALE. Industrial. Various items for sale. Nairobi 26421.

FOR SALE. Agricultural. Various items for sale. Nairobi 26421.

FOR SALE. Miscellaneous. Various items for sale. Nairobi 26421.

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FOR SALE. Miscellaneous. Various items for sale. Nairobi 26421.

PETS AND LIVESTOCK

Animals for Sale. Various breeds and prices. Nairobi 26421.

FOR SALE. Commercial. Various items for sale. Nairobi 26421.

FOR SALE. Residential. Various items for sale. Nairobi 26421.

FOR SALE. Industrial. Various items for sale. Nairobi 26421.

FOR SALE. Agricultural. Various items for sale. Nairobi 26421.

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FOR SALE. Miscellaneous. Various items for sale. Nairobi 26421.

RYCE BEST DEAL TODAY!

RYCE BEST DEAL TODAY! Various offers and products. Nairobi 26421.

East African Standard PHOTODUPLICATION DEPARTMENT

East African Standard PHOTODUPLICATION DEPARTMENT. Various services and products. Nairobi 26421.

HOW'S YOUR LUCK?

HOW'S YOUR LUCK? Various horoscope readings and predictions. Nairobi 26421.

RADIO

RADIO. Various radio programs and schedules. Nairobi 26421.

East African Standard CROSSWORD

East African Standard CROSSWORD. Crossword puzzle with clues and solutions. Nairobi 26421.

SITUATIONS VACANT

SITUATIONS VACANT. Various job openings and requirements. Nairobi 26421.

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Man

Man. Various job openings for men. Nairobi 26421.

Women

Women. Various job openings for women. Nairobi 26421.

General

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...to let you know... let the world know... with us.

ST OF SENIOR SURVEYOR EAST AFRICAN POWER AND LIGHTING COMPANY LIMITED... The Personnel Manager J. A. P. and L. Co. Ltd. P.O. Box 30177 Nairobi

Britain and Russia on Saturday won their respective European Zone football Cup... British and Russian football teams met in a challenge round...

British, underdog from the outset, pulled confidence from their shock singles success on Friday... British, underdog from the outset, pulled confidence from their shock singles success on Friday...

British, displaying fine ground stroke and accurate volleying... British, displaying fine ground stroke and accurate volleying...

AUSTRALIAN FOOTBALL RESULTS... Victoria State League... Victoria State League... Victoria State League...

Chow of play notes in Saturday's cricket matches... At Southampton... At Bath... At Gloucester...

At Wimbledon... At Wimbledon... At Wimbledon... At Wimbledon...

HERE'S A GREAT CABARET... THE DALY'S... Opening on Monday July 21... Ring 28717 for reservations

AROUND THE COUNTIES... At Southampton... At Bath... At Gloucester... At Hereford... At Leicester... At Lincoln... At Northampton... At Oxford... At Peterborough... At Reading... At Salisbury... At Southampton... At Worcester... At York...

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BELLE-VUE NAIROBI Today at 7 and 9.30 Fun-party with Dunaway... THE EXTRAORDINARY SEAMAN

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KENYA theatre... OPPORTUNITY FOR LEARNERS FREE CLASSES FOR DRESS CUTTING... NEW CLASSES will commence with effect from August 1, 1967...

SOMBRERO CLUB... Presenting tonight the young and most exciting... MISS MANDY SILVER

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THE SHOES OF THE FISHERMAN... Presented by Nairobi Round Table... Number One is kid of the Linsars Boy's Centre

CHARITY PREMIERE at 28th Century Cinema July 30... THE COMPANIES ACT (No. 118)

DRIVE-IN MOMBASA... Today at 6.45 only... NOOR JEHAN

NOOR JEHAN (In Eastmancolor) MEENA KUMARI... GOLD FINGER (In Technicolor - Scope)

NAIROBI RACES

Consistency gives limb jockey championship

Standard Correspondent

Though the sun did not shine for Johnny Limb's big day, there was a huge crowd at Nairobi Races yesterday afternoon to witness a highly anticipated consistency...

Yesterday's results

Table of race results including 2.30 The Mayor and Gold Conditioner, 3.00 The Kenyan Derby, 3.30 The Kenyan Cup, 4.00 The Kenyan Stakes, 4.30 The Kenyan Handicap, 5.00 The Kenyan Stakes, 5.30 The Kenyan Handicap, 6.00 The Kenyan Stakes, 6.30 The Kenyan Handicap, 7.00 The Kenyan Stakes, 7.30 The Kenyan Handicap, 8.00 The Kenyan Stakes, 8.30 The Kenyan Handicap, 9.00 The Kenyan Stakes, 9.30 The Kenyan Handicap.

RUGBY

Harlequins in Enterprise final

Harlequins earned a place in the final of the Enterprise Cup rugby competition with a victory over Dar es Salaam by 19 points...

Parklands Junior tennis winners

Results of the Parklands Open Junior Tennis Championships: G. O'Leary, runner-up; E. Hagge, singles under-15 winner...

Uganda reaches U.K. tennis final

The South African J. Dhuja beat the Ugandan M. A. Nkomo in the men's singles final of the English lawn tennis championships at Eastbourne...

ATHLETICS

Kenyatta College dominates schools' meet

Standard Correspondent: What should have been a second round of the schools' meet at Kenyatta College on Saturday morning...

Weekend Golf

Muthaiga championship win by Coghlan

By Ralph Hawkins: Charles Coghlan yesterday carried off the Muthaiga Golf Club championship trophy after a fine score and five victory over Doug Brown...

Soccer

Abaluhya first winners of Forces Memorial Cup

Standard Correspondent: Abaluhya F.C. the unofficial East African soccer club champion, won their first trophy of the Forces Memorial Cup...

Coast open leads

Kathy Shorn and Les Cantarello scored an 18-6 victory over Nyeri on Saturday...

Four district records at Nyeri championships

Four district sports records were broken during the Nyeri District Sports Championships...

Jamal Pirbhai Football

Bundi F.C. will meet Kisumu F.C. in their final Pirbhai Cup match at Nairobi City Stadium...

MOTORISTS! JUST UNPACKED! CAR RADIOS VW Type 500/- net STANDARD for all 550/- net UNIVERSAL for all 600/- net Including aerial, fitting and licence. HASSANALI'S AUTO STORE LTD HASSANALI'S BUILDING Telephone Radio Dept. 29801 - NAIROBI - Kenya

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FOR SNACKS

AMERICAN WALK ON THE MOON

THE SMALL STEP FOR MAN BUT ONE GIANT LEAP FOR MANKIND

— Armstrong

Two American astronauts today shuffled and bounced their way around the powdery surface of the Moon in what one described as "the Kangaroo walk." The first man to touch the lunar surface was Neil Armstrong and Edwin Aldrin.

Armstrong's epic description of their feat, radioed from the Moon as he stepped down the ladder from the module Eagle in the Sea of Tranquility, was: "That's one small step for a man but one giant leap for mankind."

His message to a waiting, listening and watching world signalled mankind's lunar conquest.

After a 15-minute extension of their walk of discovery which lasted 1 hour 54 minutes, the two astronauts clambered safely back into their moonship for the return journey, carrying their samples of rock and dust from the lunar crust.

They had left man's first footprints on the Moon's surface and planted the American flag, a commemorative plaque and apparatus for continuing lunar experiments.

The Eagle had landed exactly on time at 11:19 p.m. (East African) last night. The moon-walk was more than three hours ahead of schedule.

Armstrong stepped out at 5:56 a.m. today, according to the mission control at Houston, Texas.

After they got their moon-legs and learned to lean in the direction they wanted to go, both Armstrong and Aldrin hopped easily around in the low gravity of the Moon one-sixth what they are accustomed to on Earth.

Armstrong opened off the proceedings, all transmitted with vivid clarity back to Earth by television — by climbing somewhat stiffly down the nine-rung spacecraft ladder and stepping out on to the lunar surface.

His voice, shaking slightly, Armstrong described the lunar surface as one of fine, sandy particles.

"There seems to be no difficulty in walking around," he said. "The descent engine did not leave a crater of any size. We are on a very level site here."

"It's quite dark here in the shadow and quite hard for me to see where I'm stepping."

As Aldrin went down the ladder he reported the surface as a "mattress of fine soil" and the matter to hop from one step to the next.

As they moved across the surface, both astronauts appeared to Earth viewers to be leaning in slow motion.

Aldrin reported the rocks were rather slippery, with a powdery surface and the men tended to slide over them rather easily.

Television viewers on Earth could clearly make out the lunar module which lay and ladder by the space-suited astronaut at its foot, in the black shadow of the Eagle.

As he began stepping with a somewhat jerky gait, Armstrong reported: "The surface is fine and

powdery. I can pick it up loosely with my toe. It adheres like powdered charcoal to my boot. I only go in a fraction of an inch, an eighth of an inch."

The astronauts began collecting samples from the Moon's surface. Armstrong had to be reminded to start this important task.

Aldrin reported the rocks had a very powdery surface and he had found a purple one.

At one point, Aldrin said he was stepping back, partially to close the hatch at the top of the nine-rung ladder.

Armstrong scooped up a small sample of the lunar soil to put in a pocket of his space-suit.

"It's very interesting," he remarked, "very fine, very soft surface, but when I dig for the

MESSAGE FROM KENYA

On hearing of the success of the Apollo mission today, the American Charge D'Affaires in Kenya, Mr. Wendell B. Coote, sent a message to the astronauts which read: "With all people of all nations, including hundreds of thousands in Kenya who have followed the Man's journey to the Moon, I send my heartfelt congratulations to Neil Armstrong, Buzz Aldrin and Mike Smith. May they have crossed the threshold of the future. All mankind should benefit."

Neil Armstrong, the first man in history to walk on the surface of the Moon, is pictured above in his space suit, no doubt in a more relaxed mood than he was this morning when he made the descent and scooped up samples of the lunar surface. Top, first visitors to the United States Information Center in Government Road, Nairobi, listen to radio reports of Man's first steps on the Moon, and examine the landing spot on a globe.

Aircraft spots waving survivors of lost trimaran

Standard Staff Reporter

The word Trimaran spell out on the beach of a tiny island in the Indian Ocean has been spotted from an aircraft sent out from the Seychelles to seek five people overdue on a voyage in a small boat.

As the trimaran voyaged on a tiny atoll near Poivre Islands the crew were organised by vessel and by the plane which flies between the islands and the Seychelles, serving the U.S. satellite tracking station there.

After the plane had spotted the survivors Mr. Browning radioed to Nairobi: "Five men left on the trimaran but only four have been seen on the island. At the moment they do not look good. Possibly the trimaran drifted near this coral reef-surrounded island and our captain could not swim far days ago."

A ship will pick them up from the island in the next few days and we will get the full story then. Let's hope for the best and if the captain is safe and sound to be set sail again and continue my expedition."

Recently Mrs. Browning returned to America but her husband, the captain of the yacht, Mr. Arnold Hutchinson, continued



American tourists fly out of Lusaka SAFETY FEAR

Seventeen members of a party of Americans declined to spend the last night of their African tour in a Lusaka hotel as scheduled because they feared for their safety after Lusaka's High Court last week, a Zambian Tourist Board spokesman said yesterday.

The tourists, who had lived in Johannesburg and Livingstonia in Southern Zambia, waited for a few hours at the airport, 15 miles outside Lusaka, then caught the first plane to Nairobi.

By noon yesterday there had been no reports of further demonstrations against the White High Court judge. The storm was sparked by the judiciary's rejection of President Kaunda's criticism that the judgement which set aside a two-year jail sentence on two Portuguese soldiers was "political."

The last Wednesday's riot at the High Court by members of the Government's youth service, Chief Justice James Mankwanda and Mr. Justice Evans barricaded themselves in a room while the rioters tried to force the door open to attack them. Chief Justice Mankwanda has since flown to London, while Mr. Justice Evans leaves Zambia.

The leader of the Zambian Opposition, the African National Congress, Mr. Harry Nkumbula, has described the recent mass demonstration by U.N.I.P. supporters against the judiciary as "the end of justice in Zambia."

"Matters were made worse by the failure of Lusaka to inform Zambia's high commissioner in London to meet Mr. Skinner at a quiet weekend in a London hotel recovering from last week's ordeal, which left him physically and emotionally drained."

The Chief Justice is now making plans to return to his home in Ireland. In a brief airport comment, the Chief Justice said that the prevailing political climate in Zambia was "not conducive to the return from Rhodesia and Portugal."

30 ISRAELIS KILLED IN BATTLE — CAIRO

About 30 Israelis were killed and another was left behind at the island, he said.

In Tel Aviv an Israeli military spokesman said yesterday that a Mirage had been shot down. He said no Israeli aircraft were missing.

Some Egyptian soldiers were killed or wounded in the abortive Israeli attempt on Grin Island, the spokesman added.

The attack came as Egyptian newspapers warned of a big Israeli military action against Egypt's retaliation for the loss of Thursday's raid by special Egyptian forces against fortifications on Port Said.

The spokesman said Israeli forces held the Egyptian position, which commanded the southern approach to the Suez Canal, for one hour.

He said the Israeli forces blew up the Egyptian batteries, built the bunkers and machine-gun positions before returning to base with their casualties.

EX-BUGANDA LEADER HELD

Standard Staff Reporter, Kampala.

Sir William Wilberforce Ndipode, the former Kyabazinga of Busoga, was arrested by police at his home near Kampala on Saturday and taken to Jinja police station.

No police spokesmen were available yesterday to give any details about the arrest, but a guard outside Sir William's house said a reporter who went there to check on the news that two other arrests were made in Kampala on Saturday. One of the arrested men was said to be a retired medical assistant.

Mboya murder inquiries go on

Standard Staff Reporter

The Kenya Police are still mounting a "round-the-clock" search for the week-end for the unknown gunman, who assassinated Mr. Tom Mboya more than two weeks ago in a Nairobi street.

A police spokesman said: "We are making less and exhaustive investigations and we intend to have as many members of the public as possible who might give us information as to the whereabouts of the assassin."

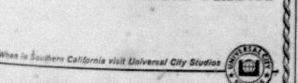
No further lead has been indicated in the police file so far.

Two die in plane crash

communications ship Alameda yesterday morning passed through the Strait of Bonifacio and the Black Sea to the Mediterranean.

MADRID — Gen. Francisco Franco's message designating Prince Juan Carlos as his successor will be approved by Spanish deputies in a public session on Monday, an Agency said at the weekend quoting the daily newspaper El Mundo. Observers had thought previously that the message would be submitted to parliament in a secret session.

SHOWING FROM FRIDAY



When in Southern California visit Universal City Studios

She isn't the girl you thought you knew!



Howley Mills, Treasure of the Sun, Simon Kaplan, A Messenger of Love

ADULTS ONLY

NEWS IN BRIEF

LONDON — A Khudonin plane crashed near Madripada in the Malacca Straits district of Morambau on Saturday. Two of the seven occupants were killed, the Portuguese Liaison, Povo Agency reported. The other five occupants were injured.

GHANA — Ghana's President Annandah has proposed that it should cease the country's membership of the Commonwealth of Independent States Council, if it were to be dissolved at the week-

end. The assembly, made up of both elected and nominated members, has completed its 92 sessions since the Commonwealth had been read three times. This does not mean that Ghana's second membership is in jeopardy.

WASH. — Brown announced new regulations on Vice President's memorial site for the death of John Kennedy on the 35th anniversary of the shooting, but not against Hitler.

WASHINGTON — The Soviet communications ship Alameda yesterday morning passed through the Strait of Bonifacio and the Black Sea to the Mediterranean.

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Sen. Kennedy to be charged after death plunge

Senator Edward Kennedy, brother of the late President Kennedy and Senator Kennedy, both of whom were assassinated, is to be charged with leaving the scene of the accident after his car plunged into a pond, killing a woman passenger.

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You'll be all the better for ALL-BRAN

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Britain first to row Atlantic single-handed

A lone British seaman, Mr. John Fairfax, stepped ashore at Fort Lauderdale, Florida, yesterday, the first man to row the Atlantic single-handed.

Mr. Fairfax looked bronzed and fit at the end of his 3,500-mile journey from the Canary Islands to the coast of Florida.

Last bullets of 'soccer war' just miss President

El Salvador's President, Gen. Fidel Sanchez Hernandez, was shot at by Honduran troops at the weekend while inspecting the Honduran territory.

A San Salvador spokesman said the machine gun and rifle fire violated a ceasefire agreement between El Salvador and Honduras which went into effect early on Saturday.

The O.A.S. regulations stipulate that invading forces of any member nation should withdraw troops from occupied areas within 96 hours from the cease-fire.

New rocket attack on Saigon

Two Vietcong rockets crashed into Saigon during the night after an upsurge was reported in the area.

The 14 banks nationalised in India, Punjab National Bank, Bank of India, State Bank of India, Central Bank, United Bank of India, Dena Bank, Syndicate Bank, Reserve Bank of India, Allahabad Bank, Indian Bank, Overseas Bank.

II SHOT BY SNIPERS IN RACE ROW

Spontaneous sniper fire continued in the Pennsylvania, yesterday after all-night racial disturbances in which 11 people were wounded.

County Council of Murang' VACANCY

Appointment of County Engineer
APPLICATIONS are invited from suitably qualified persons for the above permanent appointment.

19 CHILDREN ON HOLIDAY DROWNED

Rescue workers at the weekend recovered three more bodies in the tragedy which killed 19 children in the River Loire near Angers, France, on Thursday night.

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ABOVE: Thousands of people packed Kakohani Social Hall, Nairobi, on Saturday when eight women's choirs, one of them pictured in action here, competed in a women's music festival organised by Nairobi City Council. Jericho city council women's training centre were the winners, followed by Nairobi Railway Women's Club and Karohangi city council women's training centre.

LEFT: A cheerfull wave from the president of the Kenya National Chamber of Commerce, Mr. Z. K. Gakuru, as he stepped from his plane at Nairobi Airport after a tour of Europe.



They smashed a show window at Photos Ltd. in Northey Street, Nairobi, on Saturday night and made off with cameras and cine projectors worth an unknown amount. Above, a policeman takes details from a night watchman.



Above: Kenya's chief inspector of schools, Mr. H. J. Kanina, presents one of the teachers who have finished the first course at the Kenya Science Teachers' College with his certificate on Saturday. The principal of the school, Mr. Olo Odingo, is on the left. Below: The national director of the Kenya Red Cross, Mrs. R. J. Mize, makes a speech of welcome to teachers who attended a seminar at Red Cross headquarters on Saturday.



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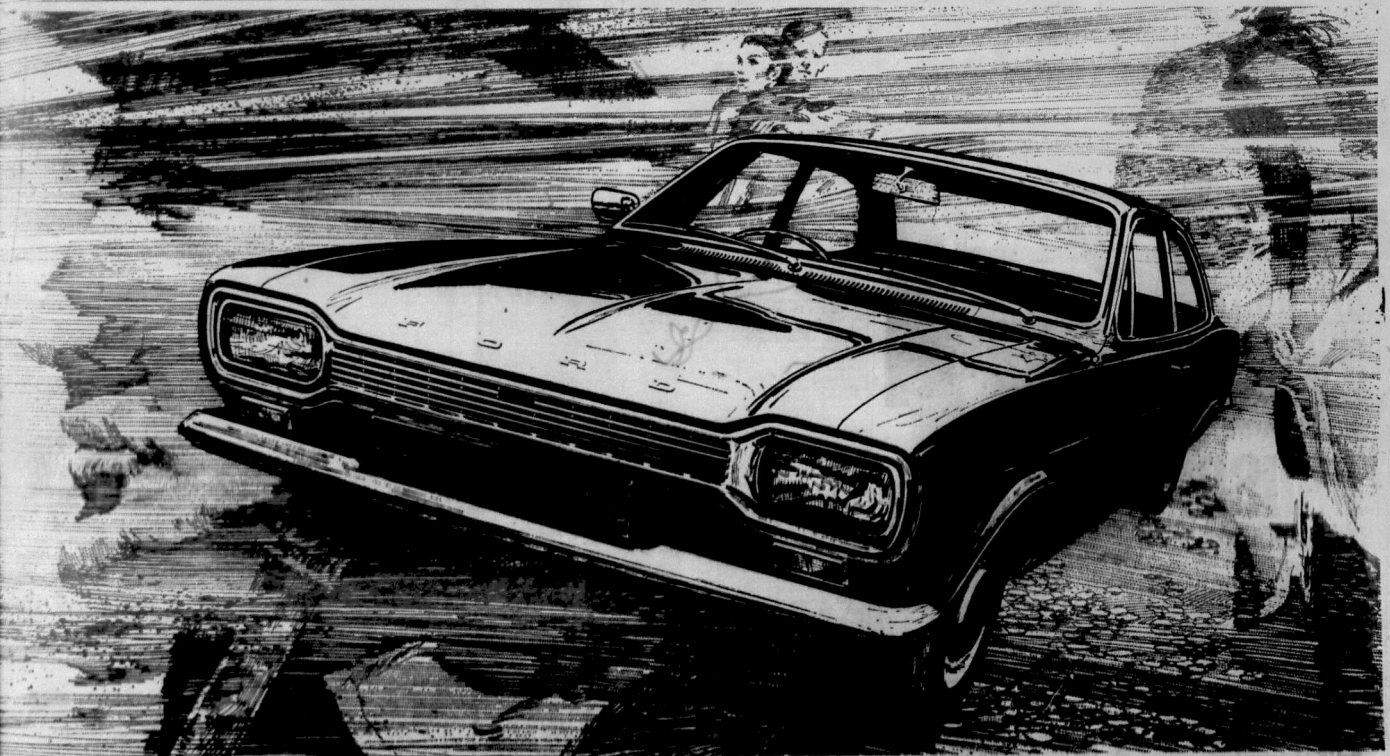
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Your Ford dealer. Hughes Limited.

Ford Escort

the small car that isn't.

Threshold of new era

As Neil Armstrong prepares to step into the pages of tomorrow's history books...

It will be a dreary place, the monotonous landscape being relieved only by the craters and mountains...

The Apollo-11 mission, described in newspapers all over the world as man's greatest adventure...

The astronauts' first reaction to close-up of the Moon itself forced the idea that it is more exciting in its implications than in its appearance...

To a motorist expected to complete most of his driving at around 30 m.p.h. it is impossible to picture a vehicle catapulting into space at 24,000 m.p.h.

But at the time of writing the Luna-15 craft seems merely to be orbiting round the Moon and offering no threat to the American mission from either the mechanical or prestige aspects...

To a traveller who thinks a 5,000-mile flight to Europe a major undertaking, a journey of 20,000 miles to the Moon in four days makes the imagination boggle.

But it is the fact that the Soviet project cannot take the glory away from what the Americans plan to do. Any attempt to do this is regarded as inadvisable...

To a Nairobi driver who drops his passenger outside a shop in Kenyatta Avenue and drives off in the block while the purchases are made...

When the Russians sent the first Sputnik into space was a traumatic experience for the Americans, who do not like to be second at anything...

Today, at this historic moment, it is time for the two Great Powers to stop paying lip service to the theory of international co-operation in space...

When the Russians sent the first Sputnik into space was a traumatic experience for the Americans, who do not like to be second at anything...

At the time of writing everything about the project was going with clockwork precision, indeed was proceeding so smoothly that the astronauts were slightly ahead of schedule...

This means more than carrying to the Moon a copy of the preamble to the United Nations Charter as the Apollo-11 astronauts were requested by the U.N. Secretary-General...

Not that the Moon is likely to offer any rich grazing. There, more in the sense of achievement at having got there than the Moon itself...

This thought was reflected by a speaker at a U.N. conference last week who said the world was suffering from scientific and moral schizophrenia...

This is surely true but it will not be the final thought. Instead, the last words should be a tribute to the bravery of the astronauts who are the Columbus of Space.

When the Russians sent the first Sputnik into space was a traumatic experience for the Americans, who do not like to be second at anything...

July 1969, and the world waits with bated breath to follow the fortunes of the first man to set foot on the Moon...

As we relate the history of these space explorers, it is an appropriate time to pause and send our regards back to another July, 472 years ago...

VALERIE COUTERRE recalls the voyage of the first ships to reach the Coast of East Africa from Europe...

As a desire to spread the Catholic religion and, because of this, with an eye on the East...

As a desire to spread the Catholic religion and, because of this, with an eye on the East...

Even today and in the Jet Age the East and other elements have not been completely conquered...

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In the 14th and 15th centuries these things were still terrifying mysteries and many of the elements, but they still cannot be controlled by man in spite of vast scientific resources...

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Over the centuries the shipwrecked sailors, there were other dangers such as great monsters which dwelt in the depths of the sea...

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When the King of Portugal, King John I, in 1481, was a more modest enterprise than his father and was fired with much fervour...

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King John II who succeeded the Throne of Portugal in 1491, was a more modest enterprise than his father and was fired with much fervour...

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He remained there until August 25th when, with storm, pillars of return voyage. The stretch across the Indian Ocean took him three months...

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Eventually, in September, 1499, King John II was dismayed at this news, and in 1487 he dispatched another of his captains...

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Journalism as anchor at Kilindi - appearance as descriptive.

JOHN ELGON'S DIARY

Ship at Mombasa has fire in hold

Harbour authorities like to see ships coming into harbour on their own and under their own power...

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NEVER BEFORE... a fantastic offer STRAIGHT FROM ITALY... ITALIAN ENGINEERING AT ITS BEST... ZANUSSI REFRIGERATORS... From a Country that has astounded the world with its engineering achievements...

RACIAL HARMONY... Shadow on Bermuda... leave was cancelled for the conference on racial harmony and the reservations were reportedly on narrow margins...

MAN ON THE MOON... It's Monday, July the twenty-first, and Monday's being written somewhere, and Monday's being turned up there... P.O. parking... Death penalty...

LAST — THE — THE UPPER REACHES

American spacemen are due on today, an achievement which is eight years of frantic effort put in motion by the late Dr. Kennedy.

It represents an astonishing amount of the most advanced means of technology in producing what weighed more than 3,000 tons as high as the new Moon in Nairobi, produced both of thrust and had more

than 8,000,000 parts.

The bones of this effort, which cost the United States \$24,000,000,000 or \$250 for every man, woman and child in the country, has been paid today, with those two lovely men straddling through the pristine dust of another heavenly body.

The three men who made the historic trip are pictured above, from left to right, in their Space gear, Edwin E. Aldrin, the Lunar module pilot, Neil

Armstrong, the Apollo-11 Commander, and Michael Collins, the Command module pilot.

For them the landing represents the highlight of a career by far the largest part of which has so far been spent simply training.

In the following four pages the "East African Standard" gives a detailed description of what the flight has achieved and what the future holds in store for space travelers.

Man's three explorers on the moon

Lunar astronauts spend three hours on the performing "housekeeping" — checking instruments, equipment, and ensuring that their supplies of food, water and air are sufficient.

After a 15-hour Mission Module flight from the Cape Kennedy Space Centre, the astronauts are scheduled to land on the moon's surface at 10:30 p.m. local time. They will be in the lunar module for about 21 hours, during which they will perform a series of scientific experiments and collect samples of lunar soil and rocks.

supply, emergency oxygen, communications equipment, a coolant system and several scientific instruments. Everything is battery-operated.

The primary oxygen supply is expected to last about four hours, but an automatic performing heavy workload and breathing deeply and often — could deplete the supply in just three hours. Should this happen, or should the primary supply fail for any reason, he has 30 minutes of emergency oxygen. Astronauts anticipate no difficulties in getting back to the Lunar Module in that time.

The possibility that an astronaut could be injured or incapacitated is considered extremely remote. The pressurised spacecraft makes harmful accidents almost impossible.

Protection from the impact of micrometeorites is designed into the Apollo suit. It has 21 layers, many of them composed of densely woven fibres that will repel such strikes.

First to descend is the Lunar Module. The two astronauts are ready to venture out into the lunar dawn. In the land around it is early morning. The brilliant sun beams from just above the horizon. Shadow — are crisp and black, adding the astronauts in identifying lunar features.

While he lumbers back to the Lunar Module ladder with the armful of items, his colleague unrolls a long rope attached to a bag-like container. The astronaut is ready to journey to the earth.

After checking proper attachment to a pulley just inside the hatch, he tosses it to the ground near the ladder. The pilot puts the cup of lunar dirt he got. The pilot pulls the bag into the cabin and tucks the bag safely away.

With the initial activities completed, it is time for the pilot to descend. Now there it work about to keep both astronauts busy for another hour or two.

Together they perform a careful walk-around inspection of their craft. Particularly they seek signs of internal damage from landing — tell-tale wisps of leaking oxygen, drops or rivulets of aluminium fuel.

Finding nothing, they begin to take detailed photographs of the Lunar Module. Close-up pictures of the legs, foot-pads, and the (rocks and dirt displaced by the foot-pad) are of prime importance.

These will be studied by engineers on earth to either verify or modify future spacecraft design, and by geologists to learn more about the moon's geology and composition of the landing zone.

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At the right moment the computer triggers the main engine, the Service Propulsion System. In about 200 seconds of firing, this engine accelerates the craft from its 3,600-mile (5,750-kilometre) an hour Moon orbited speed to a Moon orbit escape velocity of about 5,500 miles (8,800-kilometres) an hour.

This firing is crucial. Failure could leave the astronauts stranded in Moon orbit, with no chance of getting back to earth. Insufficient acceleration could set the craft on a false course, and probable collision with the Moon.

But no one on earth can know whether the firing is successful until about 30 minutes later when the craft emerges from behind the Moon and communications with earth are re-established.

Midcourse corrections are made, if necessary. The craft is kept turning slowly to distribute the sun's unrelenting heat — and outer space's cold — equally over the craft's surfaces.

The earth's gravitational pull accelerates the craft, and as it reaches the astronauts have reached "falling" toward earth at a speed of about 25,000 miles an hour.

Shortly before the craft re-enters the earth's upper atmosphere, the Service Module is jettisoned. Its weight less than 15,000 pounds with the astronauts aboard.

The craft's blunt and contains the heat shield which glows red, and eventually white, as its temperature reaches more than 5,000 degrees F (2,700 C) from atmospheric friction.

Deceleration exerts a force on them of five Gs — five times their normal weight. Had it commenced at the right angle of descent their craft is to withstand the aerodynamic forces that will assail it, and if they are up land in the appointed area.

Too steep an angle of descent could cause the craft to burn from excessive friction with the atmosphere. Too shallow an angle could cause the craft to bounce off the atmosphere so far back into space that the astronauts could run out of their life-support supplies before getting a second re-entry opportunity.

All that remains now is to descend the craft and stabilise its descent. At about 10,000 feet (3,000 metres), the drogue chutes are released and three pilot chutes open. They in turn pull open the three main parachutes.

These reduce the speed of the spacecraft from about 175 miles to 22 miles an hour for a soft splashdown in the Pacific Ocean.

The crew and the spacecraft are both picked up by helicopters and lifted to a recovery ship waiting nearby.

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The dramatic picture above, taken during the Apollo-10 flight, shows the lunar module about to enter one of the most crucial stages: docking with the command module, from where the picture was taken with the craters of the Moon beneath. Excitement ran high at the Cape Kennedy Space Centre when the huge Saturn V rocket blasted off on Wednesday leaving behind an immense cloud of smoke and flames (below).



Hostile world

Research over the centuries has established that the Moon has virtually no atmosphere. Temperatures vary from the extremes of 110 degrees to minus 150 degrees, and there is little likelihood of life on the satellite.

The surface is varied and formed of great waterless seas, mountain ranges rising to 30,000 feet, deep craters and craters varying in size from one mile to 160 miles in diameter.

One of the questions which may soon be answered by man's exploration is the origin of the craters — whether they are volcanic or have been caused by the impact of meteorites.

The origin of the Moon and even faster Earth may be clarified by landings.

The theory of Darwin is that the Moon was once part of the earth which broke away, leaving a gap which is now the Pacific Ocean. This, in recent years, has been strongly challenged.

A second theory is that the Moon and Earth were formed at the same time from a huge mass of gas but subsequently developed in a different manner.

A third theory is that there is no connection between the origin of the Earth and the Moon — and that the Moon may have been "captured" from outer space.

Despite its barren appearance the satellite is not entirely "dead". Avalanches and tremors have been observed and large quantities of gas are occasionally emitted.

The absence of atmosphere on the moon has been established by spectrographic observation which shows the light from the moon to have the same spectrum as that from the sun.

According to the Soviet scientists, the moon is very gradually losing weight. Although pushed by meteorites which vary in size from a few centimetres to several feet in diameter, the temperature of the moon, less the equivalent of 14 earth days and the bottom temperatures of minus 150 degrees in the middle of the "night" which is also 14 times longer than night on the earth.

But because of the protection of the space suit, absence of atmosphere and the fact that it is the moon morning temperatures will appear normal to the astronaut.

Some statistics are: average diameter: 3,476 kilometres, less than the surface of North and South America together and one-third that of the surface of the earth.

Average diameter: 3,476 kilometres, less than a quarter of that of the earth.

Volume: 49 thousand would equal the volume of the earth.

Weight: 81 moon would be needed to equal the weight of the earth.

Programme for the return

The procedures through which the craft was placed into Moon orbit are now repeated for removal of the craft from that orbit.

Calculations by computers on earth are radioed to the astronaut's onboard computer and the astronaut is also given necessary instructions. Then come those tense moments when the craft once again disappears behind the Moon out of contact with earth.

At the right moment the computer triggers the main engine, the Service Propulsion System. In about 200 seconds of firing, this engine accelerates the craft from its 3,600-mile (5,750-kilometre) an hour Moon orbited speed to a Moon orbit escape velocity of about 5,500 miles (8,800-kilometres) an hour.

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FRIDEN CONGRATULATES THE MEN ON THE MOON

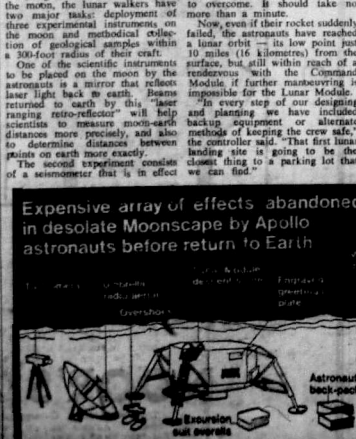
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EXPENSIVE array of effects abandoned in desolate Moonscape by Apollo astronauts before return to Earth

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ELECTRONIC OFFICE AND DATA PROCESSING EQUIPMENT



PARRELL LINES

LINKING EAST AFRICAN AND NORTH AMERICAN PORTS

PROUDLY SEND SINCERE CONGRATULATIONS TO THE UNITED STATES ASTRONAUTS ON THEIR INCREDIBLE MOON LANDING ACHIEVEMENT

MAN ON THE MOON

The reception on Earth—for the men...

Though scientists are convinced that no life in any form exists on the Moon, they want to make just as certain as they can that returning astronauts do not bring with them undetected invaders, possibly in the form of hostile micro-organisms.

Scientists would want to intercept any such downways in the extremely unlikely event that they exist and manage to survive the trip.

When they open their spacecraft after splashdown in the Pacific Ocean about 1,600 kilometers southwest of Hawaii, the astronauts will be helped into plastic "biological isolation garments" brought by a waiting recovery crew. These garments, completely enveloping the astronauts, prevent any organisms from escaping. A built-in filter even cleanses the astronauts' exhaled breath.

As the astronauts then board a raft, the spacecraft hatch is sealed and the craft is lifted from the water by a helicopter that takes it to a recovery ship.

There can be no contamination on the spacecraft's outside. It never touched the moon. Only the Lunar Module did, and it did not return

to earth. Also, an living entity could conceivably survive the friction and heating of the craft's exterior during re-entry.

On the ship, the astronauts will immediately enter a specially-designed isolation van, which is formerly known as a hermetically sealed mobile quarantine facility. Like the isolation garment, which they can now remove, the van prevents organisms from escaping and filters outgoing air.

In this van, the astronauts will make their home for several days much as they lived in the spacecraft during their moon journey, but not nearly so cramped.

However, they will not be alone in the van. A physician to examine them and an engineer to keep the van's systems operating will join the astronauts in their confinement.

Once the ship reaches port, the van will be driven by truck to an airport and loaded into a cargo plane for transportation to the Manned Spacecraft Centre at Houston, Texas.

There, the sequence will be reversed. Loaded back on a truck, the van will be taken to the rear entrance of a special building that has been in the planning and construction for more than four years exclusively for this purpose.

It is the Lunar Receiving Laboratory that the van enters. It is through a plastic tunnel, which is heated to 100 degrees Celsius, that the astronauts and their equipment are transported to the laboratory. On each way, the van is disinfected.

The air the astronauts breathe will be filtered and purified before being ejected through the building's air-conditioning system. The van will be sterilized before being returned. No one will be permitted to enter or leave.

One life will not be unpleasant. The van will be a hermetically sealed mobile quarantine facility. It will be disinfected and even an antibody virus. Laboratories for bacteriologists and microbiologists and technicians will also be confined there along with rocks and boneless.

Even more appreciated by the astronauts is likely to be a pleasant lunar room.

...and the rocks

While the three astronauts of the Apollo-11 crew were rehearsing their moon-landing flight in detailed simulations in recent weeks, a crew of scientists and technicians was practicing with equal devotion for quite another aspect of the mission.

They were preparing themselves for the complex task of handling the rocks which the astronauts are expected to bring back from the moon's surface.

Both — astronauts and the precision rocks (along with the Apollo Spacecraft itself) — will be sent to the same building after arrival from the moon.

While the astronauts spend their quarantine period of about two and one-half weeks in the Laboratory's Quarantine Crew Reception Area, the rocks will be taken for safekeeping to the Sample Laboratory which is no less elaborate.

For the rocks, isolation works two ways — preventing them from possibly contaminating the earth, and protecting them from being contaminated. Any contact with the atmosphere or objects on earth could change them so as to destroy much of their value to the scientists.

Sophisticated analytical instruments and sterilization equipment have been installed at the laboratory to help scientists determine the composition and properties of these rocks and, hopefully, also much about their history.

Because there is no water or atmosphere on the moon, erosion as it occurs on earth is almost absent there, and the rocks may hold clues, long erased on earth, to the origin of the solar system.

When the astronauts gather the 50 pounds of rocks they will place them into special containers which remain vacuum-sealed throughout the return journey. After splashdown in the Pacific Ocean, spacecraft, astronauts and rock containers will be brought to a recovery ship and from there flown to Houston.

At the laboratory, the outside of the rock containers will be purified by ultraviolet light and an acid bath, and then rinsed in sterile water and dried by sterile nitrogen. Then the containers will be moved into a small vacuum chamber.

Through apertures just big enough for hands and arms, which are enclosed in protective gloves and sleeves, scientists will reach into the chamber to open the containers and remove the rocks.

After setting the rocks, they will measure and analyze nuclear radiation and gas emanating from them, weigh them on a sensitive scale, photograph them with six carefully placed cameras and view smaller pieces under microscopes.

These first measurements are considered "time-critical." For example, bound to change the longer the rocks are away from the Moon, this prompt testing gives a more accurate picture of Moon conditions.

For experiments which can be done at leisure, some of the rocks or parts of rocks will be shipped to the laboratories of about 150 scientific specialists.

Some investigations will require portions of rocks to be dissolved in various chemicals, heated until they turn to fluids or gases, frozen almost to brittleness, or subjected to almost every other imaginable condition.

Eventually, all samples not destroyed during examinations will be returned to the laboratory in Houston for examination by still other scientists.

There must be no mistake with the Moon samples. Though many more samples are expected to come from the Moon through several Moon-landing flights that will follow Apollo-11, each landing will be in a different area of the Moon, thus no more samples are likely to come from the Apollo-11 region for a long time.

STAGES IN THE JOURNEY

When the command module returns to Earth it will only be a fraction of the size and weight of the complete space vehicle which started out on the journey to the Moon.

The diagram below illustrates how the Saturn rocket leaves the Earth, and the "top-down" docking procedure of the command module code-named Columbia with the lunar module, code named Eagle, takes place.

Then the third stage of the rocket is fired again to send the spacecraft on the Moon.

When the Moon is reached, the retro-rockets are fired to put the spacecraft into lunar orbit. After checking systems, the lunar module leaves the command and service module to descend to the Moon's surface, with Armstrong and Aldrin aboard. Collins remains in the Command module.

When operations on the Moon are finished, the lunar module ascends with its own rocket, leaving the descent stage behind on the Moon.

Once docking has taken place and the two astronauts have entered the command module, the service module rockets are fired to send it back to Earth, leaving the ascent stage of the lunar module to continue in solar orbit.

After the spacecraft has returned to Earth orbit, the service module is abandoned, and the command module alone makes re-entry in the Earth.



THE OBJECTIVE — this picture of the full Moon shows up well the dark patches or "seas" which are really flat plains below the level of the craters and highlands. The Sea of Tranquility, where the astronauts have landed, is in the middle of the line of dark patches on the right.



Astronauts Neil Armstrong (left) and Aldrin give a realistic impression of the view on the Moon during a training exercise. With the lunar module in the background, Aldrin is seen in the foreground, while Armstrong is in the background. The view is from the right-hand side of the lunar module. The view is from the right-hand side of the lunar module. The view is from the right-hand side of the lunar module.

EXTELCOMS TELEPHONE SERVICE 1981?

Long Ago Earth's Telephone Service was a mystery. Today, it's a reality.

WE ARE FIRST ON THE MOON BULOVA ACCUTRON

GIVE SOMEONE A PIECE OF A SATELLITE

Give someone a Bulova Accutron* watch. It has the same basic movement as the timing devices aboard the Explorer, Telstar, Tiros, Syncom, and Pegasus satellites. And the Gemini and Apollo spacecraft. Vibrations of a tiny tuning fork divide each second into 360 equal parts. And keep the Accutron timepiece right to within a minute a month... an average of two seconds a day. Bulova guarantees it in writing. And no watch on earth is as well received as the time-piece of the astronauts.

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From the same people who brought you rock 'n' roll...

After a deafening roar and an awesome column of flame over billowing smoke, the Apollo 8 began a fantastic voyage to the moon.

It took ten years, 20,000 contractors and 300,000 engineers, technicians and workers.

Each part had to be perfect, each little switch and relay.

It is almost impossible to imagine the total efficiency necessary to such an undertaking.

The fact is, TWA played a direct role in the National Aeronautics and Space Administration programme at the Kennedy Space Centre in Florida.

Some 3,000 TWA employees took responsibility for base support services and the entire maintenance programme there.

On December 27, at 10:51, parachutes floated the spacecraft down to the sea.

It was 11 seconds earlier than the mission's predicted splashdown time.

Americans have been accused, and not unjustly, of frivolity, of lacking culture, of a certain naive over-reaching.

But one thing we have always been praised for: the incredible precision that can make a reality of the dream... to reach for the moon.

This is America : this is TWA

MAN ON THE MOON

Scientific workshop of the future

Will the Moon become a giant laboratory in a few years? Will it rival, and even overtake, the inhospitable Antarctic continent as an international scientific workshop?

For some time now these questions have been hotly debated in scientific circles.

Scientists of many nationalities, under the aegis of the International Astronautical Academy, have drafted plans for scientific colonisation of the Moon.

The idea of constructing an international lunar laboratory, at least as progress in astronautics made this feasible, was first launched in 1960.

Since then, annual international conferences have been held to thrash out a problem which only 15 years ago would have seemed utopian.

An answer to the question of whether permanent or semi-permanent scientific bases will be set up on the Moon should be forthcoming within two or three years, according to N.A.S.A.

"We shall know then if setting up such bases is justified", they have said.

Apollo-11 will be the sixth Saturn-5 mission. A total of 15 of these rockets have been built or are under construction.

This means that after the Apollo-11 mission nine other Saturn-5 rockets will remain for lunar exploration flights.

It is complete success follows the Apollo-11 launch and the three other U.S. Moon-landings authorized by Congress, N.A.S.A. plans to send astronauts to six other regions on the visible side of the Moon.

Of the four landings scheduled

in the first phase of lunar exploration, two are to be on the lunar "sea", in east and west, and two others in higher regions, including one, possibly, near the edge of a giant crater.

In a second phase, landings will take place in regions where the relief and structure is unusual, or anomalous, for example in the lunar valleys, zones where the surface is fractured or zones such as the Copernicus Crater, where meteorites have impacted.

It will be necessary to make no more than minor alterations to the lunar excursion module (LEM) for this purpose.

The astronauts will be more mobile. They will have mini-rovers to drive in, and they will be equipped with more perfected tools and scientific instruments.

This phase is due to end between 1971 and 1972.

At that point Nasa officials believe they will have enough information to decide whether it is possible, and whether it is necessary, to set up permanent or semi-permanent bases on the Earth's natural satellite.

Between then and now it may be presumed that the Soviet Union will have put men on the Moon as well, and made known their own decision on the same subject.

The future of lunar colonisation depends essentially on getting the price of the earth-moon fare down.

Roughly, this is estimated at

present to be about \$5,000 per pound carried. This is undeniably prohibitive.

The solution to cheaper prices lies essentially in the possibility of recovering rockets and spacecraft and using them again.

The Americans believe that by 1975 this will enable them to do the trip for ten times less.

This will open enormous vistas for more manned flights, for assembling space stations and setting up laboratories on the moon.

One valuable product which has emerged from space exploration is the "technology of perfection."

Industry now has developed an unprecedented capability for precision and flawlessness. Every time a Saturn-5 rocket is successfully launched it is known that more than 400,000 people in 20,000 factories did the essential things right.

There were some 5,000,000 parts in the Saturn-5 rocket and the Apollo-8 space vehicle that flew to the vicinity of the moon in December 1968.

A level of 99.9 per cent for the reliability of those parts would mean that one part in a thousand might fail. Thus on each flight there would be the intolerable liability of about 5,000 part failures.

Only five non-critical parts failed on the entire 15-day, 580,000-mile Apollo-8 flight. That is a demonstrated reliability of 99,999 per cent — a phenomenal level.



THE MACHINES

Concentration of power and precision

The Apollo spacecraft weighs about 45,360 kilograms and, with its escape tower attached, stands about 23 metres tall. It is actually two spacecraft in one.

The basic spacecraft, the combined command and service modules, operates throughout a lunar mission; the lunar module performs only in the vicinity of the Moon. Since it is never exposed to the atmosphere, the lunar module needs no aerodynamic features. It has no readily definable shape, but with its jointed landing legs extended it resembles a huge spider.

The lunar module has two parts or stages. The lower or descent stage contains the throttleable rocket engines which permit the module to back down to the Moon, its propellant tanks, and a bay for scientific instruments. These instruments — cameras, soil analysis equipment, a seismograph, and various measuring devices — are used by the astronauts on the surface of the Moon; some of them are left behind to report data to Earth after the astronauts' departure.

The upper stage is more complex, because it is the astronaut's shelter during their stay on the lunar surface. It has much of the equipment of the basic spacecraft — environmental, communications, and guidance and control systems — plus the 1,600-kilogram-thrust engine and its necessary tankage. The 16 reaction control engines, or thrusters, which govern the craft's attitude during descent and return are mounted at the four corners of the upper stage.

The Apollo basic spacecraft is shaped somewhat like a bullet, with a conical nose giving way to a stubby cylinder. The conical part is the command module; the

cylinder with the protruding escape nozzle is the service module.

The shape of the command module is one of the indicators of the difference between a deep-space spacecraft and an earth-orbital spacecraft. At the top of the launch phase, the command module must have aerodynamic streamlining, hence the conical tip. For earth entry, it has a blunt bottom to dissipate friction heat over the broadest possible area and, at the same time, to create air drag to slow the descending spacecraft.

Just about everything in the Apollo spacecraft that works needs electricity. Batteries to supply power for all of it would take up far too much of the allowable space and weight, so Apollo designers substituted a trio of fuel cells.

Located in the service module, these units create electrical power by combining hydrogen and oxygen in the combustion chamber reaction cells or chambers.

The other major system housed in the service module is the very important engine that is officially part of the service propulsion system. Capable of producing over 6,100 kilograms of thrust, Apollo's self-contained service propulsion system handles the multiple assignments of course correction between earth and moon, and the two critical firings: injection into lunar orbit, and the firing that takes Apollo out of moon orbit and starts it earthward.

The rest of the service module is a compact maze of tanks. There are propellant tanks for the service propulsion system and for the 16 small thrusters on the exterior of the service module; helium tanks

for pressurising the engines; and hydrogen and oxygen tanks for the lunar operation and for the crew.

In addition, the module contains space radiators, part of the environmental control system, and a mass of antistatic cables which connect the systems with the command

The whole package is encased in a cylinder about 61 metres long and constructed of 21-centimetre-thick aluminium honeycomb panels. The service module needs no ablative coating; it is expendable.

The job of producing the energy for the Saturn V launch vehicle is shared by two types of rocket engines, the F-1 and the J-2. The engines, the F-1 and the J-2, produce 690,000 kilograms of thrust. It stands as tall as a two-story house, is more than 31 metres wide at its base, and weighs 8,400 kilograms. It burns 2,700 kilograms of propellant in every second, and the temperature in the combustion chamber reaches

the Fahrenheit (3,315 degrees Centigrade). It is not anything like the F-1 in size, the J-2 engine is a development of the F-1's design. Its great advance is in the use of liquid hydrogen as fuel. Hydrogen is the lightest of all elements, and produces about 75 per cent more energy than kerosene and produces about six times as much thrust as kerosene. Liquid hydrogen is a super-cool low-density fuel, extremely difficult to handle. The J-2 also differs many of the F-1's processes with the F-1.

The Saturn V launch vehicle consists of five stages, the first powered by five F-1's, the second by five J-2's, the third by a single J-2. Reduced to its essentials, a stage consists of a propulsion system, its tankage, a structure to support the stage's weight and distribute the force of thrust, and an airframe.

Size alone was a major complicator of Saturn V development. Take the first stage. It is 10 metres in diameter and 42 metres tall. Its fuel tank holds 810,000 litres of kerosene and its liquid-oxygen tank contains an incredible 311,000 litres of oxidizer. Fuelled to capacity, the stage weighs 2,242,000 kilograms; almost 2,080,000 kilograms of that weight are in propellants, all of which are consumed in 160 seconds.

The second stage is a cylinder 24 metres high and the same diameter as the first stage. A unique feature of the stage is the fact that the liquid hydrogen tank and the liquid oxygen tank are separated only by a single bulkhead. Liquid hydrogen must be maintained at a temperature of 253 degrees below zero Fahrenheit (-233 Centigrade); liquid oxygen at -297 degrees Fahrenheit (-233 Centigrade). The second stage does not have anything approaching the capacity of the first stage, but it does manage to consume over 220,000 litres per



The diagrams show the Saturn rocket with the Apollo spacecraft, the Saturn launch escape tower, the Apollo spacecraft, service module, and lunar module.



One of the most complex maneuvers after leaving Earth's orbit is the docking with the lunar module, here graphically illustrated.

The first picture shows the lunar module emerging from its protective capsule behind the service module.

Secondly, the service module fires its rockets to turn round so that the command module is facing the lunar module.

In the final picture, the actual docking process takes place.

The two modules can then make their journey onward to the Moon together.

They're the 38-ton Mercedes-Benz truck

Why 4 lbs. of Uranium 235.

Highly radioactive uranium 235: probably the most dangerous 4 pounds on earth.

It had to be transported 600 miles, from the EBR-II reactor at Idaho across northern and central Italy to the nuclear research center at Casaccia.

How was the job done?

First, the uranium was packed in 16 tons of lead and iron in steel casks, and protected the public from its effects.

Then the valuable cargo was loaded onto a 38-ton Mercedes-Benz truck operated by the EBR-II staff.

Mile by mile the truck inched across Italy. And finally, it reached its destination at Casaccia — without incident.

A surprising use for a Mercedes-Benz truck? In a way. But it isn't surprising to find a Mercedes-Benz wherever maximum reliability is needed. That's why you'll find Mercedes-Benz trucks in 24 countries around the world.

NEW TELEPHONE NUMBERS

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Photo Sales, York Street NAIROBI 2643
Continental Department, York Street NAIROBI 2643
Kenya Shell Ltd. NAIROBI 2922
Shell and B.P. House, Harare House, NAIROBI 2922
Box 1561 and 2029 NAIROBI 2922
Manfred & Co. Ltd., Harare Merchants NAIROBI 2922
United Equipment Ltd. NAIROBI 2911/2921
No. 17 and 17/2 NAIROBI 2911
Royal Washhouse Kenya Ltd. NAIROBI 2922
River Motors Ltd. NAIROBI 2962/3/4/5
Sales Dept., Unifair House NAIROBI 2918
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SITUATIONS VACANT

Men
 A young man with a degree in Business Administration and 5 years experience in a large firm is seeking a position in a similar capacity. Write to: **Box 123, Nairobi.**

Women
 A young woman with a degree in Education and 3 years experience in a school is seeking a position in a similar capacity. Write to: **Box 456, Nairobi.**

FOR Sale

ARAB CROUCH motor, P.O. Box 202, Tel Aviv, Israel. Write to: **Box 123, Nairobi.**

LAND ROVER 1000 cc, 1968 model, excellent condition. Write to: **Box 456, Nairobi.**

WANTED

EXPERIENCED person for the position of **Accountant**. Write to: **Box 123, Nairobi.**

EXPERIENCED person for the position of **Teacher**. Write to: **Box 456, Nairobi.**

PROPERTY AGENTS

PROPERTY AGENTS for the sale of **land** in **Kenya**. Write to: **Box 123, Nairobi.**

PROPERTY AGENTS for the sale of **land** in **Kenya**. Write to: **Box 456, Nairobi.**

EDUCATIONAL

EDUCATIONAL institutions in **Kenya**. Write to: **Box 123, Nairobi.**

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PROPERTY AGENTS for the sale of **land** in **Kenya**. Write to: **Box 456, Nairobi.**

DEATH

DEATH of **John Doe**, aged **70**, on **July 25, 1969**. Write to: **Box 123, Nairobi.**

DEATH of **John Doe**, aged **70**, on **July 25, 1969**. Write to: **Box 456, Nairobi.**

IN MEMORIAM

IN MEMORIAM **John Doe**, aged **70**, on **July 25, 1969**. Write to: **Box 123, Nairobi.**

IN MEMORIAM **John Doe**, aged **70**, on **July 25, 1969**. Write to: **Box 456, Nairobi.**

PERSONAL

PERSONAL advertisement. Write to: **Box 123, Nairobi.**

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WHERE TO STAY

WHERE TO STAY in **Nairobi and Up-country Kenya**. Write to: **Box 123, Nairobi.**

WHERE TO STAY in **Nairobi and Up-country Kenya**. Write to: **Box 456, Nairobi.**

Cost

COST of **living** in **Kenya**. Write to: **Box 123, Nairobi.**

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Land Ploes

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Removals

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BEAUTY

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WHERE TO EAT

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REPAIRS AND MENDING

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SEWING

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SECRETARIAL SERVICES

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PHOTOGRAPHY

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FINANCIAL

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TELEVISION

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REMOVALS

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REMOVALS in **Kenya**. Write to: **Box 456, Nairobi.**

BUSINESS TO LET

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STORAGE

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BOATS

BOATS in **Kenya**. Write to: **Box 123, Nairobi.**

BOATS in **Kenya**. Write to: **Box 456, Nairobi.**

WANTED

WANTED in **Kenya**. Write to: **Box 123, Nairobi.**

WANTED in **Kenya**. Write to: **Box 456, Nairobi.**

POST OF SENIOR SURVEYOR

EAST AFRICAN POWER AND LIGHTING COMPANY LIMITED

Application for a Senior Surveyor. Applicants should have the Intermediate Kenya Licence, Intermediate R.I.C.S.E. or any equivalent recognised examination.

Applicants must have had at least five years' post-qualifying experience and must be fully conversant in all aspects of planning and site surveying. A knowledge of power-line design, fitting and route selection for such works would be an advantage.

Applicants must be capable of supervising the Survey Section of the planning and equipment.

Applications should be addressed to:
The Personnel Manager
E.A.P. and L. Co. Ltd.
P.O. Box 30177
Nairobi

HERE'S A GREAT CABARET

AIN AT THE TOPAZ Grill

THE DALY'S

Opening on Monday
July 21

Ring 28711 for reservations

DAVIS CUP

Britain in steerage to challenge our own

Britain and Russia met on Saturday won their respective Group B and C titles of the Davis Cup and moved a step nearer to a challenge round meeting with the United States.

AUSTRALIAN FOOTBALL RESULTS

Results of football matches on English football grounds...
New South Wales 3, Queensland 0
Queensland 3, Victoria 0
Victoria 3, Western Australia 0

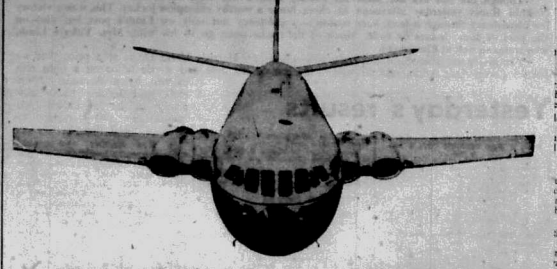
AROUND THE COUNTIES

Cricket of play scores a Saturday's cricket matches were...
At Kenilworth, Warwickshire: 215 (B. Hiley 57, J. Groom 41, J. Stannett 37, P. Jones 24, Nottinghamshire 94)

MOGADISHU

Stiffly displaying his ground on the field, the Somali player always appeared the likely winner against opponents whose game was dependent on his big left service.

Mogadishu. Let the rest wait with us.



Every Monday at 1330 hrs.

From Nairobi, East African can jet you direct to Mogadishu, 'White Pearl of the Indian Ocean', capital and business centre of Somalia.

EAST AFRICAN AIRWAYS

East Africa's International Airline

HAPPY TOTS

CHILDREN'S PHOTOGRAPHY

ADVERTISE IN THE Standard

KENYA (Mombasa)

Monday at 9 only
Daily at 5.45 and 9
Saturday at 2.45, 5.45 and 9

The most eagerly awaited Western... THE GOOD, THE BAD AND THE UGLY

(Technicolor - Techniscope) (Adults only)

Starting: CLINT EASTWOOD
LEE VAN CLEEVE
ELI WALLACH (as Toko)
United Artists' release

CENTURY

Artists present
KATRINE OPFAL
FRITZ BERG
SALD PLEASANCE

TRICKLESS

A beautiful but...
General exhibition

MINI WEDNESDAY

at 5.15 and 9
CLINT EASTWOOD
LEE J. COBB

MOON'S BLUFF

Clayton on a...
(Adults only)

KENYA theatre

Today at 5.15 and 9
Universal presents
JOHN WAYNE
KATRINE ROSS
BIL HUTTON
VERA MILES

LFIGHTERS

Get the hottest, meanest...
General exhibition

THIKA ROAD

Drive-in
Today at 7.15
DAVID NEVEN
FRANK GIANNOZZO

UNDERSTOOD

General exhibition

IMPOSSIBLE YEARS

For children under 14

ODEON

Victoria Street
NAIROBI

Today at 6 and 9.15

WOH KOI AUR HOGA

SOHRAB MODI - MUMTAZ PIROZ KHAN
Full of suspense and thrills
Don't miss this last chance (A.F.C. release)

Commencing tomorrow at 5.15 and 9
GUY MADISON
in
VIVA GRINGO
(Unsuitable for children under 10)

EMBASSY
Lattin Road, off Victoria St.
NAIROBI

Today at 6 and 9.15
SUNIL DUTT - NUTAN
in
Prasad Production's jubilee hit
MILAN
(In Eastmancolor)

co-starring
FRAN - JAMUNA
Music: Lakshminarayanaiah

THE EA. CONSERVATOIRE OF MUSIC
and the
GOETHE-INSTITUT
present the famous German
Koeckert - Quartet

Playing works by
HAYDN - SHOSTAKOVICH
BETHOVEN
on July 24, at 9 p.m.
at the
NAIROBI CITY HALL
Tickets (10/- and 5/-) available 2 1/2 hours before the performance and from July 21 at the City Hall Box Office

OPPORTUNITY FOR LEARNERS
FREE CLASSES FOR
DRESS CUTTING

NEW CLASSES will commence with effect from August 1, 1960, for the benefit of women and girls of ALL RACES by the Theoretical Order of Servants of the Theosophical Lodge, situated at 100 Parklands Avenue, Nairobi, under the guidance and instruction of MISS RAJ KARNAMBA KARNAM.

All interested persons should apply to the Theosophical Lodge, 100 Parklands Avenue, Nairobi.

GLOBE

AND
LIBERTY
NAIROBI

Today at 6 and 9.15
NARGIS

RAAT AUR DIN

PRADHEE KUMAR
FERDZ KHAAN
and NAZA

Special ladies' show
today at 3
EK PHOOL EK BHOOJ
DEV KUMAR - JAYANTH
ZEB KEHMAN and SUNDER

From tomorrow
BIWI AUR MAKAN

SOMBRERO CLUB

Gulshan Street - Phone 27949
Continuous cabaret shows after 11 p.m.

Presenting tonight the young and most exciting International Showgirl
MISS MANDY SILVER
(Exclusive artist)

in her special numbers
SPANISH DANCING AND TAPPEL TUNING

also
ZULU CABARET GROUP
(the trio - Shirley - Tony - Scooby)

K.S.P.C.A.

SHAGGY DOG SHOW

Sunday, August 3, 1960
E.A. Kennel Club Ground
Jamhuri Park
Commencing 2 p.m.
(Gates open 1 p.m.)

VANDYK CATERERS LTD.

P.O. Box 26194, Telephone 34679
NAIROBI

Offer personal service for outside catering. We specialise in banquets parties, buffet suppers, cocktail parties, card parties, christenings, etc.

CAMEO

NAIROBI

Continuous shows at
1.50, 3.15, 7.35, 9.50

KILL THE WICKED

(In Colour and Scope)

Starring
LARRY WARD
ROBERT MARK

KILL THE WICKED

Another wild Western full of action
(Adults only)

DONOVAN MAULE THEATRE

Tomorrow, Tuesday at 6
LITTLE BOXES
by
JOHN BOWEN
"Immensely entertaining"
Wednesday and Thursday at 9
Friday at 5.15 and 9
Saturday at 4 and 9.30

BOOK NOW TO AVOID DISAPPOINTMENT FOR THE

THEATRE GROUP'S PRODUCTION

of
HOTEL PARADISE
by GEORGES FEYDEAU
Opening night - Thursday
July 24, at 9 p.m.

IN THE MATTER OF THE COMPANIES ACT (Cap. 486)

IN THE MATTER OF KIVOGA ESTATE LIMITED (In Voluntary Liquidation)

Notice
General Meeting of Members
NOTICE is hereby given that in pursuance of Section 253 of the Companies Act a General Meeting of the Members of this above-named Company will be held at the offices of Messrs. DUNNAN, ADAMS, MAY and SUTHERLAND, Chartered Accountants, Waterloo Street, Nairobi, at 2.30 p.m. on Friday, August 22, 1960, for the purpose of having the accounts laid before them showing the state of the affairs of the company and for such other business as may be given by the Liquidator.

Filed this 17th day of July, 1960.
DAVID BRANDON WHITE,
Liquidator.

SHAN

NAIROBI

Today at 6 and 9.15

NASHIHAT

(In Eastmancolor)
DARA SINGH - RAJSHREE HELEN - RANDHAIRO

From tomorrow at 6 and 9.15

JHOOLA

Tomorrow ladies' show at 3

GEHRA DAAG RAJENDRA - MALA SINHA

METROPOLE

Adam's Arcade, Ngara Road
NAIROBI

Today at 5.45 and 9

DUEL AT DIABLO

Starring
JAMES GARNER
SIBY FOWLER
BILL TAYLORS
BIBI ANDERSON

Affraid to turn their backs on each other - they fought side by side against the Indians!

Next attraction
DOUBLE MAN

CHARITY PREMIERE

at 26th Century Cinema
JULY 30

Metro Golden Stage presents a Group English and production

THE SHOES OF THE FISHERMAN

by Anthony Quinn
Oskar Werner
David Janssen
Vittorio De Sica
Leo McKern
John Gielgud
Bernard Jefford
Rosalind Dwyer
Lorraine Olivier

Presented by Nairobi Road Table Number One in the of the Limuru

Tickets available from
Sh. 5/- to Sh. 25/-

Also Pharmacy, Bazaar Street, Old City, Via Victoria, Nairobi, Kenya, East Africa, Nairobi, Kenya

BELLE-VUE

Drive-in Phone 6670
NAIROBI

Today at 7 and 9.30

Fun-acting with Dunaway. She's a girl who shapes up a ship... a curve... and a captain who waters rather sail on Scotch than water

THE EXTRAORDINARY SEAMAN

(In Colour and Scope)

DAVID NEVEN
FAVE DUNAWAY
MICKY ROONEY

GLOBE

NAIROBI

Commencing tomorrow
CHANCELLOR DRAKE
in
SANDS OF THE DESERT
(In Colour)

SCRAP METAL WANTED

We buy scrap copper, brass, aluminium and batteries. Top prices paid.

Contact:
HAJI ILLAMDIN & SONS
P.O. Box 1530, Telephone 24024
NAIROBI

KENYA THE COMPANIES ACT (2) Notice of First Meetings (In Liquidation)

In Bankruptcy and Winding-up Cause No. 15 of 1960.
Re: Nazarelli and Sons Limited (In Liquidation).

Name of company: Nazarelli and Sons Limited.

Address of registered office: Plot 618, Kimathi Street, Nairobi.

Registered postal address: P.O. Box 12, Nairobi.

Nature of business: Wholesale and Retail Trade in Household Goods.

Court: High Court of Kenya at Nairobi.

Number of matter: Bankruptcy and Winding-up Cause No. 15 of 1960.

Conditions: Date July 31, 1960. Hour: 2.30 p.m.

Place: The Conference Room, Office of the Chief Justice, State Law Office, Harare House, Avenue, Nairobi.

M. I. BANDA,
Deputy Chief Justice and
Provisional Liquidator.

MOON'S

MOMBASA

Today at 6 and 9.15

Tomorrow at 2.15 ladies' show

A drama full of magic... Suspense... Thrills, Smuggling and dances by your favourite Helen

LAMBDO IN HONGKONG

SHEIKH MUKHTAR (as Lambdo)
SUITE KUMAR - JAYANTH HELEN - MURRI MEMMOOD

Commencing tomorrow
SO DARLING, SO DEADLY

DRIVE-IN MOMBASA

Today at 6.45 only
Admission 6/- per person

NOOR JEHAN

(In Eastmancolor)
MEENA KUMARI
PRADHEE KUMAR
JOHNY WALKER

LOSS OF POLICY
THE PRUDENTIAL ASSURANCE COMPANY LIMITED
P.O. Box 3964
Nairobi, Kenya

Life Policy No. 6941660 effected for a sum assured of 20,000/- on the Life of Julius Marath

Notice
NOTICE is hereby given that evidence of the loss or destruction of this Policy having been submitted to the Company, any person in possession of the policy or claiming to have interest therein should communicate immediately by registered post with the company. Failing any such communication a certified copy of the policy (which will be the sole evidence of the contract) will be issued to the owner.

E. B. JORDAN,
Manager for East Africa.

CITY COUNCIL OF NAIROBI
Notice
Graded Personal Tax
Chambers Certificates 1960

A number of 1960 tax clearance certificates in respect of the self-employed and non-employed persons are awaiting collection at the City Hall (G.E.T. Section).

In view of the inspection now in progress throughout the City, all tax payers concerned should call at the City Hall and collect their certificates as soon as possible.

J. P. MBOGUA,
Town Clerk.

City Hall,
Nairobi,
July 19, 1960.

NAAB

MOMBASA

Today at 9 only
Tomorrow and Wednesday at 5.45 and 9

It waxes no flags or bears no drums. It just pulls the pin on a grenade and throws it... Why 7 7 7 7? Beach Red is not just a war movie

United Artists presents
BEACH RED
(In Deluxe Colour)
CORNEL WILDE
RIF TOBIN
ELI WALLACH (as Toko)
(Adults only)

Today at 8.45 only
See the Moughal girl in grand style never presented before on the screen

NOOR JEHAN

(In Eastmancolor)
MEENA KUMARI
PRADHEE KUMAR
SOHRAB MODI
JOHNY WALKER

Daily at 5.45 and 9
Mixing thrills and girls. Mixing danger and girls
JAMES BOND IS BACK
in
GOLDFINGER
(In Technicolor - Scope)
SEAN CONNERY
HONOR BLACKMAN
(as Pussy Galore)

KENYA MOMBASA

Today at 9 only
Daily at 6.45 and 9

THE GOOD, THE BAD AND THE UGLY

(Adults only)
Starring
CLINT EASTWOOD
LEE VAN CLEEVE
ELI WALLACH
(as Toko)

NOIR PROGRAMME
Today at 6.45 only
Ladies' show Tuesday at 8
First week, last show

FABE

NAIROBI VICTORY

Consistent champion jockey maintains form

Though the year did not start for Johnny Limb's big day, there was a large crowd at Nairobi Races yesterday afternoon to cheer home a worthy champion jockey. This was a victory for consistency because Limb has been a champion not only in Kenya but also in the part of some horses he rode. Much of the credit goes to his wife, Mrs. Valerie Limb, who trains so well at Eldoret.

The afternoon started on the right note when Mr. Harris's Verre Dore, at a price that we have not seen since Arkie, said farewell to the rest of his field and strode home on a tight rein to win by a distance. "Not me," said Johnny Limb modestly as he unmade this impressive two-year-old to

Yesterday's results

1. THE MASTER and THE CONDOR... 2. SHERY DOOR... 3. THE BUCHANAN... 4. THE BUCHANAN... 5. THE BUCHANAN... 6. THE BUCHANAN... 7. THE BUCHANAN... 8. THE BUCHANAN... 9. THE BUCHANAN... 10. THE BUCHANAN... 11. THE BUCHANAN... 12. THE BUCHANAN... 13. THE BUCHANAN... 14. THE BUCHANAN... 15. THE BUCHANAN... 16. THE BUCHANAN... 17. THE BUCHANAN... 18. THE BUCHANAN... 19. THE BUCHANAN... 20. THE BUCHANAN...

1. THE MASTER and THE CONDOR... 2. SHERY DOOR... 3. THE BUCHANAN... 4. THE BUCHANAN... 5. THE BUCHANAN... 6. THE BUCHANAN... 7. THE BUCHANAN... 8. THE BUCHANAN... 9. THE BUCHANAN... 10. THE BUCHANAN... 11. THE BUCHANAN... 12. THE BUCHANAN... 13. THE BUCHANAN... 14. THE BUCHANAN... 15. THE BUCHANAN... 16. THE BUCHANAN... 17. THE BUCHANAN... 18. THE BUCHANAN... 19. THE BUCHANAN... 20. THE BUCHANAN...

RUGBY

Harlequins in Enterprise final

Standard Staff Reporter Harlequins earned a place in the final of the Enterprise Cup after a hard-fought semi-final victory over Dar es Salaam by 19 points (two goals, a penalty and 11 points) in a scrum-packed game at R.U.E.A. ground, Ngong Road, Nairobi, on Saturday.

Parklands junior tennis winners

Results of the Parklands Open Junior Tennis Championships: Girls' singles under-15: C. O'Keefe; runner-up: E. Haggie. Boys' singles under-15: C. O'Keefe; runner-up: H. Inglis. Girls' doubles under-15: Haggie and E. Deacon. Boys' doubles under-15: Haggie and E. Deacon. Mixed doubles under-15: Haggie and E. Deacon.

Uganda reaches U.K. tennis final

The South African J. Dhruv beat M. A. Mitha, of Uganda, 6-2, 7-5 in the men's singles final of the British Empire tennis championships at Eastbourne.

Kenyatta College dominates schools' meet

Standard Correspondent What school have had a six-sided match between four form schools on the K.I.A. track, Kabete, on Saturday turned out to be a triangular with the last-minute withdrawal of Nyeri High School and Machakos School and no word received from Kagumo High School.

ATHLETICS

Four district records at Nyeri championships

Four district sports records were broken during Nyeri District Athletic Championships, held at Nyeri Stadium, Nyeri, on Saturday. Kenyans of Malindi Division, broke the women's high jump record by jumping 5ft. 2in. The shot-put record for men was broken by John Nderefu, of Kiara West Division, who shot 29ft. 11in. Last year's record was 26ft. 11in. The 100 yards race was broken by drawing 11ft. 6in. compared with last year's 11ft. 6in. The women's 100 yards race was broken by drawing 11ft. 6in. compared with last year's 11ft. 6in. The women's 100 yards race was broken by drawing 11ft. 6in. compared with last year's 11ft. 6in.

Coast open bowls

Kathy Short and Les Catermole scored an 18-6 victory over Norman Scott and Irene Thomson in a pairs elimination match of the Coast Open bowls tournament at the final of which will be played on August 2, 3 and 4 at Mombasa S.C. In another preliminary round, G. Mackay and F. Hutchinson made the second half, while Johnstone and Catermole met I. Stewart and J. Pickett in the first half. Ababuhya, Johnstone and Hutchinson met Thomas and F. Meagon in further matches on July 2.

Advertisement for S. P. MAHARAJ JYOTISHI, offering astrological services. Includes contact information for Nairobi and telephone numbers.

Advertisement for SOHAN SINGH JOSHI & SONS, specializing in new crankshafts from worn-out ones. Includes contact information for Nairobi.

Guscombe (No. 6), ridden by Alec McAlister, winning the Kenya Gold Cup at Ngong from Daystar and Asile Vetter

WEEKEND GOLF

Muthaiga championship win by Coghlan

By Ralph Hawkins Coghlan yesterday carried off the Muthaiga Golf Club championship trophy after a fine score and five victory over Doug Brown. Coghlan, a four-handicap player, reached the turn of the 36-hole final three up with a scratch round in the middle-division. Brown, apparently not at his best, found Coghlan's steady after-noon play a winner for the first time, was only one over par for the 3 holes played of the inward half.

SOCCKER

Ababuhya first winners of Forces Memorial Cup

Standard Correspondent, Ababuhya F.C. the unofficial African soccer club champions, won their first trophy of the season when they decisively beat the postulated Saha Soccer Club 3-1 to carry off the Kenya Forces Memorial Hospital Cup at the Nairobi City Stadium yesterday. The match, sponsored by Guinness (East Africa) Ltd. to raise money for the Forces Memorial Hospital, was clean and exciting. Ababuhya, who must Gor Mahia in the postponed Saha Soccer Cup on the same ground next Sunday, were leaving for Kampala for a match arranged to mark the Pope's visit to Uganda at the end of this month, had the upper hand. After a series of attacks they opened the scoring in the ninth minute. The goal was engineered by the inside-left, Livingstone Madewa, who found John Nyawaga, the inside-right, with an acute pass and the latter made no mistake with a ground shot.

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JAMAL PIRBHAI FOOTBALL

Rondo F.C. will meet Bukuru F.C. in their Jamal Piribhai Cup replay tomorrow night at the Nairobi City Stadium. Bukuru's favourites for this year's trophy, are the Kenyan team, in the forward line being Ben Okoth, the former Kenya player in the former line, William Omondi, Kenya's best centre-forward, will lead the attack.

ROBBIALAC PAINTS has a new telephone number...

Advertisement for ROBBIALAC PAINTS, featuring a large phone number 59722 and a list of services including asphalt paving and heavy earthworks.

CRESCENT CONSTRUCTION CO. LTD.

Advertisement for CRESCENT CONSTRUCTION CO. LTD., offering building and civil engineering services. Includes contact information for Nairobi.

Advertisement for MOTORISTS! JUST UNPACKED! CAR RADIOS. Features Hassanal's Auto Store Ltd. and Hassanal's Building. Includes contact information for Nairobi.

Advertisement for KENYA CANNERS LIMITED THIKA. Features mechanical services and electrical work. Includes contact information for Thika.

Advertisement for SEYCHELLES GOVERNMENT TENDER. Features tenders for disposal of OVD 3 and OVD 6 diesel alternators. Includes contact information for Victoria, Malé, Seychelles.

Large advertisement for ROBBIALAC PAINTS, featuring a large phone number 59722 and a list of services including asphalt paving and heavy earthworks. Includes contact information for Nairobi.

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Mr. Mataka in a speech said that the wireless system...

Mr. Okurut said that the opening of the direct link to Mwanza...

Mr. Okurut said that the opening of the direct link to Mwanza...

Special forecasts for farmers likely

Standard Staff Reporter. Special weather forecasts for farmers throughout East Africa...

Mr. Teungwa says that there is a general scepticism about forecasts issued for the general public...

TEA AUCTION

Offerings in yesterday's Mombasa auctions totalled 814 chests...

Kenya 2,604 chests, Tanzania 888 chests, Uganda 410 chests...

There was fair general demand with better Orishades upgraders...

Power and lowest primary grade C.T.C.s were often difficult to sell...

The next sale will be held on Monday, July 28, at Mombasa.

Stock Market reports

NAIROBI

Table with columns for Shares, Bonds, and other financial instruments.

LONDON

Table with columns for various stocks and bonds.

CANE-BURNERS WARNED BY P.C.

Standard Correspondent. The Nyanza Provincial Commissioner, Mr. Charles Murgor...

He warned that anyone who destroys his cane in the field intentionally for the sake of making money without due regard to the quality of the cane and sugar content...

Shipping at Kilindini

Table showing shipping arrivals and departures at Kilindini.

Moore-McCormack Lines (Robin Line Service) advertisement.

The Mitchell Cotton Group in East Africa advertisement.

TEA AUCTION advertisement with details on offerings and terms.

Stock Market reports advertisement.

HELLENIC LINES advertisement.

AGENTS: DOWDALL LINER AGENCIES advertisement.

De Vilbiss spray guns advertisement with image of the product.

LYKES LINES EAST AFRICA SERVICE

Direct sailing to New Orleans and Houston via Galveston...

Shipments to East Africa via Suez Canal...

LYKES LINES EAST AFRICA SERVICE advertisement with contact info.

ESVEL advertisement for shipping services.



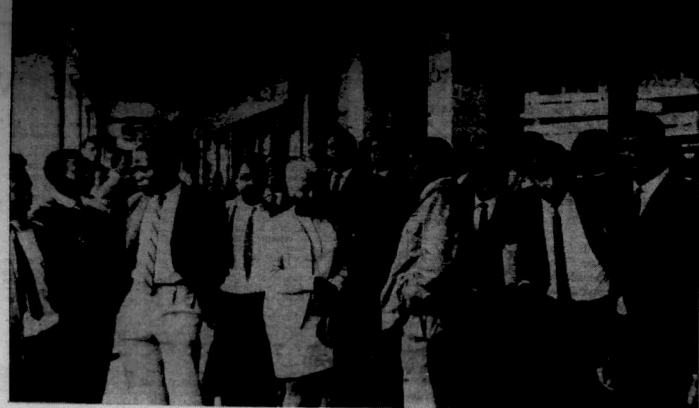
...ment as the two American astronauts, Neil Armstrong and Edwin Aldrin, unfurl the Stars and Stripes on the Moon's surface. In the background is the lunar module. In the foreground is the radio picture. In Nairobi, the Minister for Natural Resources, Mr. Nyagah (right) and the American Charge d'Affaires, Mr. Wendell B. Coote, look at a Moon globe in the U.S.I.S. Space Information Centre after hearing news of the Moon landing.



Government Road, Nairobi, was running smoothly yesterday as City Council workers changed the road to a one-way traffic. Trucks have been put on the road to block some motorists. Most traffic was diverted to Victoria Street.



... of Blantyre, Malawi, Coun. J. G. Kamwendo, now on a visit to Kenya, paid a courtesy call yesterday on the Mayor of Nairobi, Isaac Lagozza, at the Mayor's Parlour, Nairobi. Mr. Lagozza (right), chats with Mr. Kamwendo, while Mrs. Lagozza (second from left) talks to Mrs. Kamwendo.



About 60 employees of the South British Insurance Company who stage a walk-out seen outside the firm's offices yesterday.

Walk-out staged by insurance firm staff



Clerical and junior staff of the South British Insurance Co. Ltd. in Nairobi left their office in Kilimaniro yesterday in protest against alleged ill-treatment by two senior members of the staff.

The reason given for the walk-out was the failure of one of the senior officials to give a written apology to a chief-shop steward, Mr. H. N. Gitau.

Mr. Gitau complained that this official had ordered employees to perform menial tasks and had tried to impose restrictions on him (Mr. Gitau). He said when he ignored the restrictions he was warned he would be suspended.

The protest would continue until the official gave a written apology, Mr. Gitau said recently another senior official had also shown an unhelpful attitude towards the staff.

The acting manager, Mr. G. J. Starna, who is not one of the officials involved, said he had no comment to make except that discussions had been held and the management was available for further talks.

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 P. O. Box 2697, Kampala

Workers going to Ashsha talks

headquarters, which is a resumption of talks held at Kampala last month and follows a 36-hour strike by Community workers that disrupted aviation, tax and meteorological departments of the Community.

Mr. Gichoya, as spokesman for the unions, said the issues had not been touched on and union leaders were very pessimistic at the outcome of the talks.

The dispute involves the Common Services Union, Kenya, Uganda, the Common Services African Civil Servants Union, Kenya, the Kenya African Workers Union and the Common Services African Civil Servants Union, Kenya. Mr. Willis Ochieng, president of the union, said that unless some progress was made the unions might have to take further strike action to reinforce their claims.

Mr. Gichoya said before the talks resumed yesterday afternoon that unless some progress was made the unions might have to take further strike action to reinforce their claims.

The parties to the dispute are meeting under Mr. Abi Omara, the mediator appointed by the Uganda Ministry of Labour, who presided at the talks at Kampala.

The Kenya National Union of Teachers yesterday renewed its strike against the Government for the union in primary and secondary schools and teacher training colleges, postponed on July 10 because of the death of Mr. Mboya.

The announcement was made in Nairobi by the union's secretary, Mr. Peter Lubilellah, who said that the strike would not be resumed until the Government agreed to his proposals regarding teachers' pay and conditions of service which he said would not be put to the court, and ordered him to pay the money.

Mr. Lubilellah said the union hoped the Ministry would use this opportunity to give sympathetic consideration to the request. Thereafter, the strike would resume.

The Teachers' Service Remuneration Commission submitted recommendations for salaries and terms and conditions of service to the Ministry, but the matter had been left in abeyance.

A Ministry spokesman said yesterday that the Government would not be putting the matter to court, but he could not say when the recommendations would be made.

Mr. Lubilellah said the union hoped the Ministry would use this opportunity to give sympathetic consideration to the request. Thereafter, the strike would resume.

Man jailed after student absconds

appear in court again on May 29, when the hearing of his case was fixed for June 12, before Mr. Omondi.

Mr. Omondi was summoned to the court by the magistrate who he should not forfeit K50.

Inspector Jeremiah Odera, prosecuting, told the court that Omondi knew what his surety money was for but he failed to pay the court accordingly and he had been arrested on May 19.

Defending himself, Omondi told the magistrate that he had lost his job and gone home to his wife and children in Madara in the West Province. He said he had been arrested on May 19 because he had absconded and he did not know his present whereabouts.

Mr. Jaramid said that Omondi had failed to give reasonable cause why he should not forfeit the K50 to the court, and ordered him to pay the money.

Omondi asked for six months in lieu to pay the money, but this was opposed by Inspector Odera, who asked the magistrate instead to commit him to prison in default of K50 with section 131, subsection 4, of the Penal Code.

The magistrate ordered that Omondi's prison term may be reduced proportionately in accordance with any arrangements he may be able to make to the court.

SLIMS URGED TO END 'ISOLATION' Stoned President's car — jail

Kenya has been neglected by the colonial regime and the Government should take steps to stop it, and identify the causes, according to a celebratory speech made at the annual assembly of the National Union of Teachers in Nairobi.

The speaker, Mr. Peter Lubilellah, said that the Government should take steps to stop the isolation of the country and to encourage the growth of the national economy.

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Accident awards damages of £3,762

hearing the Attorney-General and the plaintiff's lawyer, the court awarded a sum of £3,762 in damages to the plaintiff.

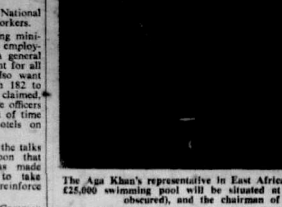
Mr. Justice Gubbins, sitting in Nairobi, awarded the sum of £3,762 in damages to the plaintiff.

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Personnel

Mr. Hicks reported that he must be satisfied and expected that the general condition of his fractured leg would improve over the following six months but that there would be some permanent disability.

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The Aga Khan's representative in East Africa, Sir Enoch Pribhai (left), is shown on a map where the new £25,000 swimming pool will be situated at University College by the principal, Dr. A. T. Porter (right), and the chairman of the college council, Mr. B. M. Gegega (right).

Swimming pool gift to College

Standard Staff Reporter

Sir Enoch Pribhai, who is the representative in East Africa of the Aga Khan, presented a cheque for K25,000 to the University College, Nairobi, to cover the cost of building a swimming pool of international standards on the campus.

The cheque for £25,000 was received on behalf of the college by its chairman of council, Mr. B. M. Gegega, who was accompanied by the principal, Dr. A. T. Porter, senior members of staff and student representatives.

Mr. Gegega recalled that when he first approached the Aga Khan for financial help, he was met with a friendly response and the Aga Khan readily agreed to give sympathetic consideration to the request. Thereafter, the cheque was sent to the college.

A site for the pool had been selected between the halls of residence on State House Road and the college sports field.

The pool had been designed to meet competition requirements as well as to provide a place for recreational activities.

At the same time, the students who would be using the pool would be able to swim, had been overlooked at each end of the pool for teaching and recreational swimming by the less proficient.

In the interests of safety and to encourage the wider use of the main pool, there would be a separate pool for diving with spring and high diving boards. To complete the project, there would be changing rooms, a terraced area for spectators and simple landscaping of the surrounding area. It was planned to have the pool ready for use in a year's time.

The Aga Khan took a close interest in the progress of University College and his gift would enable University College to fulfil one of its main objectives of providing for increasing recreational facilities for the growing student body.

Locomotives order causes surprise KENYA SILENT

The East African Railways Corporation expressed surprise in Nairobi yesterday over the proposed purchase of ten diesel electric locomotives by the Kenya Government to be used on the main line in Kenya.

A spokesman said the Corporation knew nothing about the proposed purchase of the locomotives by the Kenya Government. A tender notice was published by the Kenya Government last Saturday stating that the Republic wanted to buy the locomotives to be part of the Corporation's modernisation and development programme.

Tenders were invited to apply for tender documents from the chief purchasing officer of the Ministry of Works, Nairobi.

The spokesman said: "All I can say is that Railways authorities knew nothing about the purchase until they saw it in the Press."

Explaining the procedure followed in purchasing locomotives, the spokesman said there must be funds in hand, successful proposals had to be put before the World Bank for consideration.

The Corporation had to produce approval of proposals, if then became an international tender.

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Drive to Africanise University College posts

Africanisation of the academic and administrative staff of the University College, Nairobi, is proceeding steadily, according to the college calendar for 1969-70, just published.

The aim was to get as many local people as possible on the academic and administrative staff. It was achieved yesterday that there had been changes in the dean of the college, with Prof. S. H. Ominde, head of the Geography Department, taking over as the dean of the Faculty of Arts from Prof. B. A. Ogot, head of the Department of History.

Another change, which was not confirmed, is that the head of the Department of Zoology, Prof. D. P. F. Ominde, has been appointed as dean of the Faculty of Science from Prof. S. S. Lushaba, head of the Department of Geology.

Dr. Wamano becomes the first African dean in a faculty of science of the University of East Africa.

The Institute of Adult Studies at the college has issued a catalogue of lectures for this year and appealed to employers to encourage their staff to enroll with the Institute.

Courses are offered in agriculture, chemistry, economics, education, engineering, geography (geology and paleontology), government, international relations and international law, Kiswahili, law, literature, management, medicine, physics, politics, religion and philosophy and sociology.

CALL FOR VOTERS' ROLL REVISION

Questions will be the highlight of today's sitting of Parliament by Mr. P. M. G. O. Kariuki (Nairobi South), asking the Attorney-General when the Government intends to revise the voters' roll.

Mr. Kariuki said: "Since this Parliament is likely to be dissolved in the near future and there are many Kenyans who had no opportunity to register as voters last year, when does the Government intend re-opening registration of voters to the people a chance to equip themselves for the General Election?"

The Minister for Labour will be asked by Mr. A. Muniy (Kisumu East) what action he intends taking to avert the threatened strike by the Kenya Civil Servants Union on August 5.

Mr. K. Wangari (Karu, Karu) will ask how the emigration of Asians compared with the immigration and the birthrate of the remaining population of the community since independence.

The Minister for Local Government will be asked by the Kariuki M.P. for Starebe, Mr. C. K. Lubembe, if he would direct "as a matter of urgency" the Nairobi City Council to reduce the rent of Kaldeni, Zowani, Shauri Moyo and Bondeni estates. Mr. Lubembe contends that the money spent on erecting these houses has already been recovered by the City Council from the tenants.

Three charged after Lamu shooting

Standard Staff Reporter

Nairobi.

Three men appeared before a Mombasa magistrate's court yesterday on charges connected with an incident on Lamu island in May when a man was shot dead and others were injured.

The men, Shukwe Bin Jua, Elngion Mugala and Maribu Mudi, of Pata Nyaboni, Mombasa, "Not guilty" before the senior resident magistrate at Mombasa, Mr. P. N. Khatana, to charges of assault and causing grievous harm to Mwanishia Bin Hobeni, Mr. Nyenje Hobeni and Mr. Nagi Hobeni.

Mr. Jua and Mugala were charged jointly on the first count of assault causing actual bodily harm in which it was alleged that, on May 17 at Pata Nyaboni, they jointly assaulted Mwanishia Bin Hobeni and occasioned her actual bodily harm.

On the second and third counts Jua and Mudi were jointly charged with causing grievous harm to Nyenje Hobeni and Mr. Nagi Hobeni.

Mudi admitted only the second count and pleaded "Not guilty" to the others. Jua and Mugala pleaded "Not guilty" to all the charges and the hearing of the case was fixed for August 7 before Mr. A. Jaramid.

A police prosecutor, Mr. Peter Wainaina, said the magistrate that the prosecution intended to call two witnesses but Jua and Mugala said they had no witnesses. The three applied for bail which was opposed strongly by Mr. Wainaina for "security reasons."

He told the magistrate that a more serious offence, with the possibility of tribal fighting, was likely to be committed if the men were released.

The complainants involved in the first and second counts were still in critical conditions and a murder charge was likely to be preferred against the accused, he added.

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Sofistic Watch Co., Jinja
W. H. Khosla & Sons, Tuzuru
Central House
Government Road
P.O. Box 402
Nairobi

Neil Armstrong and Edwin Aldrin shuffled and bounced their way toward the gleaming, powdery surface of the Moon yesterday in what one described as "the kangaroo hop". Millions of television viewers watched the progress of the first men to touch the lunar surface.

Armstrong's description of their epic feat, radioed from the Moon as he stepped down the ladder from the module Eagle, is the last of Tranquility, was: "That's one small step for a man but one giant leap for mankind."

After a 15-minute extension of their walk of discovery, which lasted 1 hour 54 minutes, the two astronauts clambered safely back into their moonship for the return journey, carrying their samples of rock and dust from the lunar area.

They had left man's first footprints on the Moon's surface and placed the American flag, a commemorative plaque and apparatus for continuing lunar experiments. The Eagle had landed exactly on time at 11:17 P.M. (East African time) on Sunday. The moon-walk was more than three hours ahead of schedule.

Armstrong, who had become the first American to step onto the Moon, reported the rocks had a

"characteristic crystalline of lunar" ground out of the Moon, pointed out the Moon, pointed out the Moon, pointed out the Moon.

As he moved across the surface, two astronauts appeared to Earth viewers to be leaning in slow motion.

Aldrin reported the rocks were rather slippery, with a powdery surface and the men tended to slide over them rather easily.

Television viewers on Earth could clearly make out the lunar module landing leg and ladder, with the space-craft astronaut at its foot, in the black shadow of the Eagle.

As he walked, Armstrong reported that the surface is fine and somewhat friable. I can pick it up loosely with my toes. It adheres fairly powdered character, more than only in a fraction of an inch, an eighth of an inch.

The astronauts began collecting samples of the Moon's surface. Armstrong had been reminded to start this important task.

He was talking slightly, Armstrong described the lunar surface as one of fine, sandy particles.

"There seems to be no difficulty in walking around," he said. "The descent engine did not leave a crater of any size. We are on a very level hillside."

"It's quite dark here in the shadow and quite hard for me to see when I'm stepping."

As Aldrin went down the ladder he remarked: "It's a very simple matter to hop from one step to the next."

As they moved across the surface, two astronauts appeared to Earth viewers to be leaning in slow motion.

very powdery surface and he had found a purple ooze.

At one point, Aldrin said he was stepping back, partially to show the horizon at the top of the filmstrip.

Armstrong stepped up a small step on the lunar soil to put in a pocket of his space-suit.

"It's very interesting," he remarked, "but when I dig for the messengers, it appears to be very hard cohesive material of the same sort."

"It's much like the high desert of the United States, but it has a heavy load of its own, it's very pretty up here."

Armstrong reported it was hard for him to bend down to scoop up the soil samples. But Aldrin gave him guidance over their communication link and Armstrong reported the consistency sample was in his suit pocket.

The astronauts seemed to bounce about as they walked around the spacecraft.

"You've got to be careful you lean in the direction you want to go otherwise you seem inevitable," Aldrin said. "I've had a purple rock, a quarter of an inch. Aldrin went only in a fraction of an inch, an eighth of an inch."

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The astronauts seemed to bounce about as they walked around the spacecraft.

Quit report in Saigon denied

A spokesman for the South Vietnam Premier, Mr. Tran Van Huong, yesterday denied that the Cabinet had resigned — two hours after the official Government spokesman announced that it had. The Prime Minister's spokesman said that the spokesman who made the announcement at Saigon's daily Press briefing had been misquoted.

He said the Prime Minister summoned a special half-hour Cabinet session yesterday morning to tell the

Ministers that a Cabinet reshuffle was imminent — a fact officially announced on Friday.

During the session some Ministers suggested that to make it easier for the President and Prime Minister to proceed with the reshuffle they had better resign.

"But the Prime Minister did not take any action on this," he said. He had asked the Ministers to carry out their work as if nothing had happened and not to create difficulties for their successors.

"I understand that he has no intention of doing so."

Earlier, the official Government spokesman said all 14 Ministers had resigned as a technical formality in preparation for the forthcoming reshuffle.

No names for the Ministerial changes have yet been put forward, but informed sources said the economy, finance and health Ministries would probably be affected.

Mr. Huong took office 14 months ago. His administration has been accused in recent weeks of inefficiency, particularly in its handling of the economic situation.

Two-thirds of the Lower House's deputies have demanded Mr. Huong's resignation, saying heavy casualties yesterday from mines believed to have been carried off by Vietcong from military units by the Australians themselves.

Australian officers did not specify numbers killed and wounded but said the heavy casualties were suffered when two 33-man platoons were showered by flying drapage from the mine near Nui Da base, 40 miles east of Saigon.

The officers thought the Vietcong had taken the mines, which jump three feet into the air and spray shrapnel, from a minefield last two years ago.

— Agencies

Sen. Kennedy 'broke law'

Sen. Edward Kennedy seems unlikely to escape facing a charge of having the sense of an accident in which a pretty former secretary to his younger brother Robert was drowned.

The police chief at Edgartown, Massachusetts, Mr. Donald J. Arma, said yesterday that he had reached the point of no return in seeking a formal charge against the 37-year-old Senator, but survivor of the four Kennedy brothers and a favourite for the Democratic Presidential nomination in 1972.

"I have already filed in most of my applications to secure this," he said. "I cannot change my mind."

Mr. Arma said he was firmly convinced there was no negligence involved but there was the fact that Senator Kennedy had about eight hours to report the accident.

"There is in my eyes a violation of public law, conviction could mean from two months to two years in prison, though most convictions on this charge result in a suspended sentence or probation."

Under Massachusetts state law, conviction could mean from two months to two years in prison, though most convictions on this charge result in a suspended sentence or probation.

— Reuter

BIAFRA CLAIMS NEW ADVANCE

Biafran forces have recaptured most of Abiriba and cleared Nigerian troops from certain areas on the southern outskirts of Umuahia, Biafran radio officials reported yesterday.

The Biafran push at Abiriba, 20 miles northeast of Umuahia towards the Cross River, occurred on Wednesday, the radio said.

It said three mercenaries were among the 81 Federal soldiers killed. Their nationality was not given.

Biafran forces cleared Federal troops from the residential areas of Nigeria-held Umuahia on Friday and were still holding on to the town, the radio said.

More than 152 Federal troops were killed in fighting around the town of Abiriba, Biafran radio said.

A Federal attack was routed in an action at Azamini, 30 miles north of Port Harcourt, the radio said.

The Nigerian Daily Times yesterday reported to the Federal Government to lift immediately import restrictions imposed last year in a bid to conserve foreign exchange.

In a front-page editorial headed "We're heading for disaster,"

'Chaos' in U.S. riot city

Sniper fire raged across the racially-troubled city on Sunday night. Officials described the situation as "chaotic" and appeal for extra help from state police.

Six policemen augmented by 32 state police struggled to maintain order, but officials decided to withdraw them temporarily from troublesome areas.

The decision came after an armed police car was caught in a cross-fire rifle attack while

checking on a late fire truck. Eight to ten bullets from a powered rifle penetrated the vehicle.

It was the fourth and heaviest of racial rioting since July 1967. About 200 people were hurt and some 20 made arson. The violence began on Monday night after a State bus was false report of being bombed by a White gang. It was admitted being bombed with high explosives.

Light up in style with a Ronson



The Ronson Comet Gas Lighter is the sort of lighter you produce with a flourish. The Ronson Comet fills in five seconds, changes a flint in a flash, and really goes easy on the gas—the clean, taste-free, modern, safe gas. If you don't get one for yourself you might as least give one to someone else but make sure it's someone special. Remember it is a Ronson.

*Ronson super after-sales service is available from Mason and Davis Ltd. at Nairobi, Mombasa, Kampala and Dar es Salaam.

Playing field 'war' pledge

Mr. Louis Faka, national chairman of the British Young Liberals and a member of the Liberal Party executive, has warned that next year's M.C.C. will appear to be burying its head in the sand over its refusal to the 1970 cricket tour and is ignoring repeated requests for a broad cross-section of public opinion to cancel the 1970 cricket tour.

"I can only assume that the M.C.C. is prepared to challenge directly the power of the Young Liberals and others in manfully charge this tour through a sustained campaign of non-violent civil disobedience."

— AFP

Fight ASTHMA ATTACKS

Easy Way

Our oyster

The world. Qantas fly it. Up and down. Back and forth. From Singapore to Amsterdam. From Amsterdam to Perth. Perth to New York. All over. The friendly oyster in their glass.

Angoma teachers may receive their salaries

Satisfactory collections and school fees in Bungoma County Council in arrears is in a bad position which may wipe all round. To extent of G.P.T. of school fees have been paid.

Kenya's independence must not be abused

Kenya's independence must not be abused. The time for petty politics was over and what was needed was action which could raise the people's standard of living and enhance the development of the country.

Youth has duty to educate parents

The young people of today have a responsibility to help to educate their parents in various aspects of nation-building which is also another way of eliminating the illiteracy which has plagued the country for many years, hindering development.

VEHICLE DEFECTS

More than 30 vehicles were found to be defective by the Machakos District Council. The vehicles were found to be defective during two separate inspections in the area.

The Machakos police officer said that more checks would be carried out in the area from time to time in an attempt to promote road safety.

The participants were of the Certificate of Primary Education and drawn from all over Machakos district.

Speaking at the closing of the course, the principal of the centre, Mr. M. Naku, said that the aim of the course was to impress on the students the importance of farming and to encourage them to go back to the land and earn their living.

He added that this move would ease the unemployment situation in the area.

Mr. Naku, who awarded the certificates to the students, also said that the course was the first of its kind subsidised by the Government.

Work on the road, which will be used to transport health centre, is expected to be completed early next year when the council will take over the running of the health centre.

Mr. Naku, who awarded the certificates to the students, also said that the course was the first of its kind subsidised by the Government.

OLIVETTI LOGOS 27-2

super-automatic printing calculator with three memories

SOCIETY OPENS NEW BRANCH

The Speaker of Kenya's National Assembly, Mr. Humphrey Ndiritu, has also the vice-chairman of the Child Welfare Society of Kenya, has officially launched the Kisumu branch of the Child Welfare Society in Eastern Province at a ceremony witnessed by the Kisumu District Commissioner, Mr. Silas Mwangi, the M.P. for Kisumu, Mr. M. Lawi, and the Kisumu District Secretary, Mr. F. Mayahi, which represented the contributions made by members of the branch.

SHANZU FRIGATE RESIDENTIAL CLUB

MOMBASA

Booking now open for the season. Temporary membership included in residential terms. Regret no children. Write P.O. Box 2879, Mombasa, telephone Shanzu (84) 221.

ODEON

Victoria Street NAIROBI

Today at 5:15 and 9

EMBASSY

Lafayette Road off Victoria St. NAIROBI

Today at 4:15 & 8:15

CASINO

Off River Road - Phone 24472

Daily continuum shows at 12.45, 3, 5.15, 7.15 and 9.15

VIVA GRINGO

(In Colour and Stereo)

Fight like a lion - A great Western. A picture you cannot afford to miss.

MISSION MARS

Continuous shows at 1.45, 3.45, 7.15 and 9.15

Mission accomplished!!! "MAN LANDS ON THE MOON" has been achieved by man. We present - THE GREAT SPACE RARIES!!!

BELLE-VUE

Drive-In Phone 68978 NAIROBI

Today at 7 only

GLOBE

Today and daily at 5:30 and 9

The KILLER comedians and CHARLIE DR. GOD to their parents.

MISSION MARS

(Unsuitable for children under 18)

EXPLORES THE UNIVERSE!!! Witness the breathtaking journey to Mars and the adventures on the planet

MOON'S

MUMBASA

Today at 12:15 ladies' show

SANDS OF THE DESERT

(In Colour)

With PETER ARNE and SARAH BIRCHALL (General Exhibition)

APOLLO-10

Preride to the Moon landing (By courtesy of the U.S.S.)

KENYA

MUMBASA

Today at 8:45 and 9 Saturday at 2:45, 5:45 and 9

LIBERTY

PANGANI NAIROBI

Today and daily at 6 and 9.15

SOMBRERO CLUB

Colony Street - Phone 27849

Continuous cabaret shows after 11 p.m.

DRIVE-IN MOMBASA

Today and tomorrow at 6:45 only

LA TAVERNA

(Hotel Ambassador)

FOR THE BEST LOBSTER THERMIDOR IN TOWN!

OPPORTUNITY FOR LEARNERS

FREE CLASSES FOR THE CORNER CUTTING

MONKEY IN WINTER

Tomorrow at 9.30 only

LA TAVERNA

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NEW TELEPHONE NUMBERS

- East African Standard, Box 20000, Circulation Department, Classified Department, York Street ... NAIROBI 7543
- Photo Sales, York Street ... NAIROBI 2621
- Circulation Department, York Street ... NAIROBI 2621
- Keppel Shell Ltd., Shell and B.P. House, Harbours Avenue, Box 1561 and 3629 ... NAIROBI 2922
- Manoharan & Co. Ltd., Harbours Avenue and United Equipment Ltd. ... NAIROBI 5911/5701
- New Trade Trusts Ltd., Harbours Avenue, Box 18170 and 8173 ... NAIROBI 5912
- Robhatian Paints Kenya Ltd., Factory, Manchester Road, Box 18181 ... NAIROBI 5913
- Royal Swedish Embassy, Harbours Avenue, Box 18180/24/15 ... NAIROBI 2948/2415
- Sales Dept., Unifac House ... NAIROBI 28188
- Service, Accs and Spares, Agip House ... NAIROBI 28188
- Shell and B.P. Services Ltd., Shell and B.P. House, Harbours Avenue, Box 1561 ... NAIROBI 2922
- Stationery & Office Supplies Ltd., Harbours Avenue, Box 18181 ... NAIROBI 2922/2768
- Head Office, Accounts and Stores, Stationery & Office Supplies Ltd. (Sales Department), Gillian House, Kenilworth Avenue ... NAIROBI 20307/8,9

RESIDENTIAL AND BUSINESS PROPERTIES

Preparation for Sale
 A well-furnished 3-bedroom house, 1000 sq. ft., with a swimming pool, garage, and garden. Located in a quiet residential area. Price: KSh. 12,500. For more information, contact: [Name], P.O. Box 1234, Nairobi.

Commercial Properties
 A prime commercial site in the CBD, suitable for a shop or office. Area: 500 sq. ft. Price: KSh. 8,000. Contact: [Name], P.O. Box 5678, Nairobi.

Management
 Looking for a reliable and experienced manager for a large-scale residential development. Salary negotiable. Contact: [Name], P.O. Box 9012, Nairobi.

To Let
 A modern 2-bedroom apartment with a parking space, located in a secure estate. Rent: KSh. 1,500 per month. Contact: [Name], P.O. Box 3456, Nairobi.

WHERE TO STAY

- Hotels and Accommodation**
- GRAND HOTEL**, Harbours Avenue, Nairobi. Tel: 2922.
 - GRAND HOTEL**, Harbours Avenue, Nairobi. Tel: 2922.
 - GRAND HOTEL**, Harbours Avenue, Nairobi. Tel: 2922.
 - GRAND HOTEL**, Harbours Avenue, Nairobi. Tel: 2922.
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 - GRAND HOTEL**, Harbours Avenue, Nairobi. Tel: 2922.

MAKING MONEY FOR SALE

Business Opportunities

- Import/Export Business**: Looking for a partner to import and export goods. Capital: KSh. 500,000. Contact: [Name], P.O. Box 1111, Nairobi.
- Real Estate Investment**: Invest in prime real estate in Nairobi. Minimum investment: KSh. 100,000. Contact: [Name], P.O. Box 2222, Nairobi.
- Manufacturing Business**: Start your own manufacturing business. Low start-up costs. Contact: [Name], P.O. Box 3333, Nairobi.

HOW TO WIN AT TODAY

BEST DEAL RYCE

HOW'S YOUR LUCK?

AQUARIUS, Jan. 21-Feb. 19

TAURUS, Apr. 21-May 21

GEMINI, May 22-June 21

CANCER, June 22-July 23

LEO, July 24-Aug. 23

VIRGO, Aug. 24-Sept. 23

Plans for a future event will

East African Standard

Advertisements

For more information, contact: [Name], P.O. Box 1234, Nairobi.

SITUATIONS VACANT

Man

Applicants are advised NOT to submit resumes unless they are specifically requested. Contact: [Name], P.O. Box 1234, Nairobi.

Women

Applicants are advised NOT to submit resumes unless they are specifically requested. Contact: [Name], P.O. Box 1234, Nairobi.

FOR SALE

Private

Commercial

Wanted

Land/Plots for Sale

Land/Plots Wanted

Land/Plots for Sale

Land/Plots Wanted

WHERE TO SHOP

Where to Shop

Where to Shop

Where to Shop

Where to Shop

Where to Shop

HOW TO WIN AT TODAY

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HOW'S YOUR LUCK?

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GEMINI, May 22-June 21

CANCER, June 22-July 23

LEO, July 24-Aug. 23

VIRGO, Aug. 24-Sept. 23

Plans for a future event will

BIRTHS

At the Nairobi Hospital

At the Nairobi Hospital

At the Nairobi Hospital

Cost

Cost

Cost

Cost

CONFIDENTIAL SECRETARY

Confidential Secretary

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TUESDAY, JULY 23, 1968

TV Schedule

TV Schedule

TV Schedule

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MURANGA COUNTY

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CROSSWORD

Crossword

Crossword

Crossword

HAIRDRESSING

Hairstyling

Hairstyling

Hairstyling

Land/Plots for Sale

Land/Plots for Sale

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THE RAPID RESULTS

The Rapid Results

The Rapid Results

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WHERE TO EAT

Where to Eat

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Land/Plots for Sale

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THE RAPID RESULTS

The Rapid Results

The Rapid Results

The Rapid Results

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University of East Africa UNIVERSITY COLLEGE NAIROBI

Administrative Dean: Faculty of Medicine

Applications are invited for the following posts: ...

Applicants must be university graduates with experience in ...

Terms of service include non-contributory medical scheme, ...

The Registrar University College P.O. Box 30197 Nairobi

Jinja Municipal Council POST OF TOWN ENGINEER

Main superscale: 35,780/- to 50,000/-

Applications are invited from suitably qualified persons ...

The department is engaged in the construction and maintenance ...

The Chief Officer's post involving the administration of the ...

The appointment will be made in a point in the scale ...

Applicants should have passed Cambridge School Certificate ...

Applications in the service of the Central Government must ...

Z. K. NDAIA, Town Clerk

NYERI COUNTY COUNCIL VACANCY

Area Council Secretary/Treasurer Tetu Area Council

Applicants should have passed Cambridge School Certificate ...

The successful applicants will be appointed on permanent ...

O. KIHARA, Clerk to Council

Applications should reach the Clerk, Nyeri County Council ...

G. KIHARA, Clerk to Council

IMPORTANT ANNOUNCEMENT SAFARILAND CLUB LTD. NAIVASHA

THE NEW OWNERS OF THE ABOVE CLUB PROUDLY ANNOUNCE THAT IT IS OPEN FOR MEMBERSHIP FROM AUGUST 1, 1969.

CLUB MEMBERSHIP IS LIMITED.

THERE WILL BE SOCIAL ACTIVITIES INCLUDING A FISHING COMPETITION DURING THE AUGUST PUBLIC HOLIDAY.

NAIVASHA 51/4 OR TOWN MANAGER, BOX 72, NAIVASHA

UNIVERSITY COLLEGE NAIROBI

Applications are invited for the following posts:

EDITORIAL ASSISTANT - Correspondence Course Unit, Institute of Adult Studies, Nairobi

Applicants are invited for the position of Editorial Assistant in the Correspondence Course Unit, Institute of Adult Studies, Nairobi

Terms of service include non-contributory medical scheme, ...

Detailed applications (six copies) giving particulars of the applicant's education, qualifications, experience and details of research and publications and giving the names and addresses of three academic referees, should be sent by August 20, 1969.

The Registrar University College P.O. Box 30197 Nairobi

GOVERNMENT OF KENYA TENDER NOTICE No. 117/69

CENTRAL TENDER BOARD: MINISTRY OF WORKS DIESEL LOCOMOTIVES

The Republic of Kenya proposes to purchase Ten (10) Diesel Electric Locomotives to be used by East African Railways Corporation on the main line JK.R.1.

The Locomotives to be purchased will be part of the East African Railways Corporation Modernisation and Development Programme.

Prospective tenderers are invited to apply for tender documents from the Chief Purchasing Officer, Supplies Branch, Ministry of Works, Nairobi.

Applications must reach the Chief Purchasing Officer, Ministry of Works, not later than 12 noon on August 29, 1969, after which tender documents will be sent only to the applicant.

R. J. OUKO, Permanent Secretary for Works

University of East Africa UNIVERSITY COLLEGE NAIROBI

Applications are invited for the following posts: ...

LECTURER IN SWAHILI - Department of English - AC/53/69

Applicants are invited from suitably qualified East Africans for the post of Assistant Lecturer in the newly created programme of language and linguistics.

The successful candidate will be expected to initiate courses in the history, development and structure of Swahili. He should have a thorough command of the spoken language, together with linguistic as applicable to the teaching of the subject to first degree level.

Salary scale: K1,150 by £50 to £1,830 BAR by £80 to £2,230 p.a.

Terms of service include membership of the local, senior staff superannuation fund, subsidised housing and membership of the College Medical Scheme.

Detailed applications (six copies) giving particulars of the applicant's education, qualifications, experience and details of research and publications and giving the names and addresses of three academic referees, should be sent by August 20, 1969.

The Registrar University College P.O. Box 30197 Nairobi

TENDERS FOR FOODSTUFF 1969/70

The University College, Nairobi, wishes to thank all the individuals and firms who responded to the above advertisement and wishes to advise all those who have not yet received any communication from the College that their tenders were not successful.

M. L. SHATTOCK, Acting Registrar

BRITISH INSTITUTE OF HISTORY AND ARCHAEOLOGY

Invites applications for the post of Administrative Secretary

This is a responsible position with varied work, the duties including assistance in the administration of the institute and secretarial work.

Applicants should have a good general education to the equivalent of H.S.C. secretarial qualifications and suitable experience. Acquaintance with the field of interest of the institute and knowledge of languages other than English an advantage.

Mobil Mobil Oil Kenya Limited

Notice applications from suitably qualified Kenya citizens for a motor driving post in their Mombasa terminal office.

The successful candidate will be between 30 and 35 years old, educated up to a possession of Cambridge School Certificate with the year general accounting experience to a large extent.

Salary will be commensurate with qualifications and experience. Written applications, giving full personal details, should be addressed to:

Headquarters Terminal Superintendent Mobil Oil Kenya Limited P.O. Box 979 MOMBASA

University of East Africa UNIVERSITY COLLEGE NAIROBI

Applications are invited for the following posts: LECTURER IN SWAHILI - Department of English - AC/52/69

Applicants are invited from suitably qualified East Africans for the post of Assistant Lecturer in the newly created programme of language and linguistics.

The successful candidate will be expected to initiate courses in the history, development and structure of Swahili. He should have a thorough command of the spoken language, together with linguistic as applicable to the teaching of the subject to first degree level.

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Detailed applications (six copies) giving particulars of the applicant's education, qualifications, experience and details of research and publications and giving the names and addresses of three academic referees, should be sent by August 20, 1969.

The Registrar University College P.O. Box 30197 Nairobi

Manufacturing Concern in Mombasa

requires experienced tool makers. Must be capable of reading mechanical drawings and work on their own, and minimum six years' practical experience required.

Good salary and prospects offered to the right persons.

Voucher X618

COUNTY COUNCIL OF NYANDARUA Notice

Graduated Personal Tax 1969

PURSUANT to Section 12 of the Graduated Personal Tax Act 1966, notice is hereby given that the County Council of Nyandarua has appointed the following date after which Penalty will be imposed in respect of Tax due for the year 1969 on income not derived from employment:

(a) Where a taxpayer has not paid any Tax on or before July 31, 1969, a Penalty of 50 per cent will be imposed on August 1, 1969.

(b) Where a taxpayer has paid the first instalment of Tax on or before March 31, 1969, but fails to pay the second instalment on or before July 31, 1969, a Penalty of 50 per cent will be imposed on the Tax due and in default on August 1, 1969.

Members of the public are kindly requested to pay their Taxes in time.

A. M. R. ODPIO, Ag. Clerk/Treasurer, Nyandarua County Council, P.O. Box 200, Thomson's Falls, July 17, 1969.

THE COMPANIES ACT NOTICE

Mitchell Coffey Pyrethrum Limited (Voluntary Winding-up)

NOTICE is hereby given that an extraordinary general meeting of the members of the above company, duly convened, and held at Nairobi on July 17, 1969, the following special resolution was passed:

That the company be wound up under a members' voluntary liquidation and that Francis Ashby, Washlaw and Ian Reid Leslie, both of P.O. Box 30158, Nairobi, be and are hereby appointed joint and several liquidators for the purpose of such winding-up.

Notice is hereby given that the creditors of the above-named company are required to send to the liquidators, or in any default thereof they will be excluded from the benefit of any distribution made subsequent to such date as hereinafter provided.

Dated this 17th day of July, 1969. F. A. WALSHAW, I. R. LESLIE, Joint Liquidators, P.O. Box 30158, Nairobi.

Daylight Super VC16 to Athlons and London Every Saturday at 10a.m.

EAST AFRICAN AIRWAYS



PRESERVES LEATHER

NUGGET

Black SHOE POLISH

NUGGET GIVES LONGER LIFE TO LEATHER

Fine leather needs Nugget care. The superfine wax in Nugget gives real protection and makes shoes shine brighter.

GIVES MORE LIFE TO YOUR SHOES

QUALITY PRODUCT

University of East Africa UNIVERSITY COLLEGE NAIROBI

Applications are invited for the following posts: JUNIOR RESEARCH FELLOWS (two posts) - Institute for Development Studies, Social. AC/51/69.

Applicants should possess a good first degree in economics, sociology or political science and be interested in pursuing post-graduate research in one of these disciplines. Preference will be given to candidates who have successfully completed a period of post-graduate studies and/or those who have experience in research work at the post-graduate level.

Successful applicants will be expected during the first three months of their appointments to work under the direct supervision of one or more of the current Research Fellows of the Social Science Division on an ongoing research project of the Division. The appointment is tenable for a period of one year.

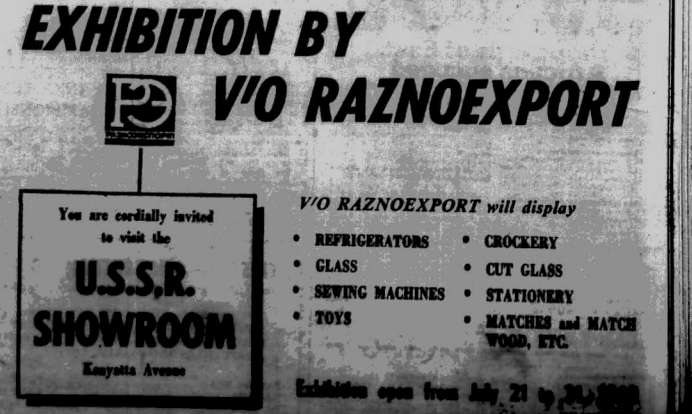
Scale salary: £1,125 by £60 to £1,245 p.a.

The appointees will also be entitled to a housing allowance of up to £200 p.a.

Detailed applications (six copies) giving particulars of the applicant's education, qualifications, experience and details of research and publications and giving the names and addresses of three academic referees, should be sent by August 31, 1969.

The Registrar University College P.O. Box 30197 Nairobi

EXHIBITION BY V/O RAZNOEXPORT



You are cordially invited to visit the

V.S.S.R. SHOWROOM

Kenyatta Avenue

V/O RAZNOEXPORT will display

- REFRIGERATORS
- CROCKERY
- GLASS
- CUT GLASS
- SEWING MACHINES
- STATIONERY
- TOYS
- MATCHES and MATCH WOOD, ETC.

Exhibition open from July 21 to 28, 1969.

ATHLETICS

Australians give the go-ahead to Kenya invitation

Standard Staff Reporter
Kenya's athletes have given the go-ahead to Australia's invitation to take part in the 1958 Commonwealth Games to be held in Cardiff, Wales, in September.

Temu most disappointed man on the tour

Standard Staff Reporter
The most disappointed man in the Kenya team on the tour of Europe has been the Olympic 10,000 metres runner, Nafali Boi. Temu looked dejected as he stepped from the aircraft and waved to the crowd at the Nairobi Airport.

The manager of the Kenya team, Mr. E. G. Mwangi, said that the Kenyan athletes had agreed to participate in the Commonwealth Games in Cardiff, Wales, in September. He said that the Kenyan athletes had agreed to participate in the Commonwealth Games in Cardiff, Wales, in September.

Paul Mose, Kenya's youngest long distance runner, started the tour well before leaving the hotel. He recovered after treatment and was then spiked during a race. Maj. Macharia said: "He has not had a good tour but has not been doped by these injuries."

Maj. Macharia said of Amos Njoroge, the Olympic 3,000 metres steeplechase champion: "He has had an unhappy tour, but in Münster, West Germany, where he was competing, he was particularly impressive but Mungai did not get on at all well at the international standard."

The remainder of the Kenya team will compete in one more meeting in Europe before returning to Nairobi. They left West Germany for Karlsruhe yesterday for a two-day international meeting on Saturday and Sunday.

Chief of the two meetings from September to October 11 in Karlsruhe. The manager of the Kenya team, Mr. E. G. Mwangi, said that the Kenyan athletes had agreed to participate in the Commonwealth Games in Cardiff, Wales, in September.

Maj. Macharia said: "I am pleased the association has managed to change the date of the two international meetings because most of the inland world stars were unable to make it in September."

Maj. Macharia said that Joubi Kubi, the Finnish holder of the world 10,000 metres record, will not be able to make the trip to Nairobi. He said that Joubi did not compete since he was in Scandinavia.

The winners of the Brazil-Britain tie will meet the winners of the other inter-zonal matches between Kumania and India to decide who runs the inter-zonal Cup holders in the challenge round.

The Congo Basketball Association has lost two handwriting officials, Mr. Cenzo Lobo and Mr. Fils D'Combe, on an annual opportunity and player, Mr. K. Bond. All three of them are shortly leaving Kenya for good.

DAVIS CUP

Britain meet Brazil in zonal semi-final

Brazil took a winning 3-0 lead over Mexico in their American Zone Davis Cup final at Sao Paulo on Sunday and will meet Britain in the inter-zonal semi-final.

South Africa in the post month to win section 'A' of the European Zone and have home ground advantage for the coming battles. Britain won the Davis Cup four years in succession between 1933 and 1937 but they have had little post-war success as Australia and the United States have dominated the event.

Peter Alliss, the British Ryder Cup golfer, scored his first major success in England since 1967 when he won the £2,000 (S16,000) P. C. Alliss trophy at the P. C. Alliss Club in the challenge round.

sex strike follow at Kent's title chances

GloUCESTER, post-players in the English county cricket championship, continue to be sympathetic to the players' strike which will keep Gloucestershire out of the competition.

A sixth-wicket partnership between Mike Hussey (45 not out) and Tony Brown (26 not out) four points.

MILLIGAN CUP LEAGUE SQUASH

Results of Milligan Cup League squash matches played at the weekend: 1. Milligan Club 3-2 The Workers Club; 2. Milligan Club 4-1 The Workers Club; 3. Milligan Club 3-2 The Workers Club; 4. Milligan Club 3-2 The Workers Club.

F.A. Cup of Kenya registrations

Registration forms for this year's F.A. Cup of Kenya competitions are now with the Nairobi Football Club, who have been asked to run the Nairobi Zone of the event. Clubs wanting to enter the competition should collect their forms from the league officials at the Nairobi City Stadium today and tomorrow.

SPORTS DIARY

Whitehorse handball tournament today. Football: A. Karam v. Nandi; M. K. Karam v. P. M. K. Karam; N. K. Karam v. P. M. K. Karam; P. M. K. Karam v. N. K. Karam.

Tanganyika Open Championships

The Tanganyika Lawn Tennis Association invites entries for its annual open championships to be played in Dar es Salaam from July 28 to August 11. The tournament will comprise men's and women's singles, men's and women's doubles and mixed doubles. Entry fees are: singles, 15/- per player; doubles, 12/6 per player.

NYANZA TENNIS CHAMPIONSHIPS

The Nyanza open tennis championships will be held during the August Bank Holiday weekend, starting on August 1, at the Cosmopolitan Club, Kiwumu. Entries for the men's and women's singles, men's and women's doubles and mixed doubles close on July 25 and can be sent to the tournament secretary, P.O. Box 1218, Kiwumu.

Coast open championship

Standard Correspondent
A. MacLay, F. Huchison and F. Huchison are the leading contenders for a quarter-final place in the Coastal open tennis championship which is being played at Mombasa on August 1, 2 and 3.

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Karim takes two Mombasa residents' titles

Standard Correspondent
Mombasa's top tennis player, Yusuf Karim, has won two titles in the Mombasa residents' tennis championships which ended at Mvita Club during the weekend. However, he was deprived of the triple crown which he has previously won five times by Taj Mohamed and Miss Foster when the mixed doubles titles.

Nandi beaten by Scorpions XV

Standard Staff Reporter
A Scorpions XV narrowly beat Nandi by 27-22 in a friendly rugby match at Nandi on Sunday. The match was a hard-fought affair. The star of the game was Robert Bwalya, of Harlequins, who scored 12 points from two tries and two conversions.

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