



THE BELL HU-1
"MIGHTY IROQUOIS"
on guard around the world with the
UNITED STATES ARMY



SERVING THE ARMED FORCES OF THE FREE WORLD



United States Army
United States Marine Corps



Royal Swedish Army
Royal Swedish Air Force



Royal
Netherlands Navy



Italian Navy
Italian Army
Italian Air Force



Royal
Australian Air Force



Austrian Army



Finnish Air Force



Japanese
Defense Agency

A Powered by Bristol Siddeley Gnome H.1000
(Version of General Electric T-58 turbine)

B Powered by
Lycoming T-53 turbine

C Powered by Lycoming
LTC-K1-2 commercial T-53 turbine

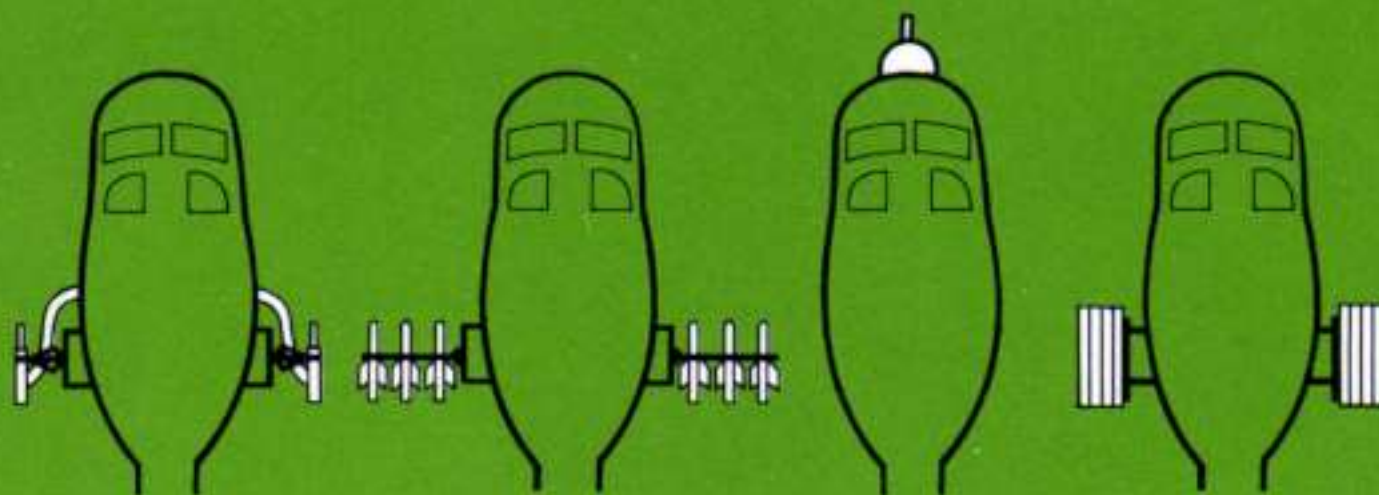
NEW WEAPONS PUT TEETH IN AIR CAVALRY TROOPS

The classic cavalry mission enlarges in scope with armed Iroquois adding speed and heavy firepower punch to the screening role. ■ Four airborne weapon systems now are entering the Army inventory with

several others under development. ■ The HU-1 helicopter provides a stable aerial platform for a wide variety of point target, area fire, suppressive fire and air-to-air weapons.



ARMAMENT INSTALLATIONS ON HU-1 IROQUOIS



XM-6E3
4 M-60
machine guns

SS-11
6 wire guided
missiles

XM-75
nose turret mounted
grenade launcher

XM-3
48 FFAR
2.75 rockets



M-61 (20mm)
Gatling gun
prototype-mounted in
HU-1B doorway

COUNTER GUERRILLA OPERATIONS

To find, fix and destroy guerrilla bands requires speed and absolute surprise for the counter guerrilla force. The tough Iroquois ideally meets the rigid demands of sublimated warfare in extremely remote areas.



Troops of the 1st Battle Group, 22d Infantry, 4th Infantry Division hustle into waiting Iroquois for a helicopter assault during Operation Long Pass.



82d Airborne soldiers rappel from hovering helicopter for landing in otherwise inaccessible area.

Infantry elements and equipment assemble in remote area to mount a mass helicopter assault against "rebel insurgents."



Combat-equipped squad of soldiers hit the ground on a dead run after landing in YHU-1D during user tests at Ft. Bragg.



Helicopter infiltration technique of 82d Airborne demonstrated how eight paratroopers can jump in eight seconds time. Of the 19 mission user test flights, six were made at night.



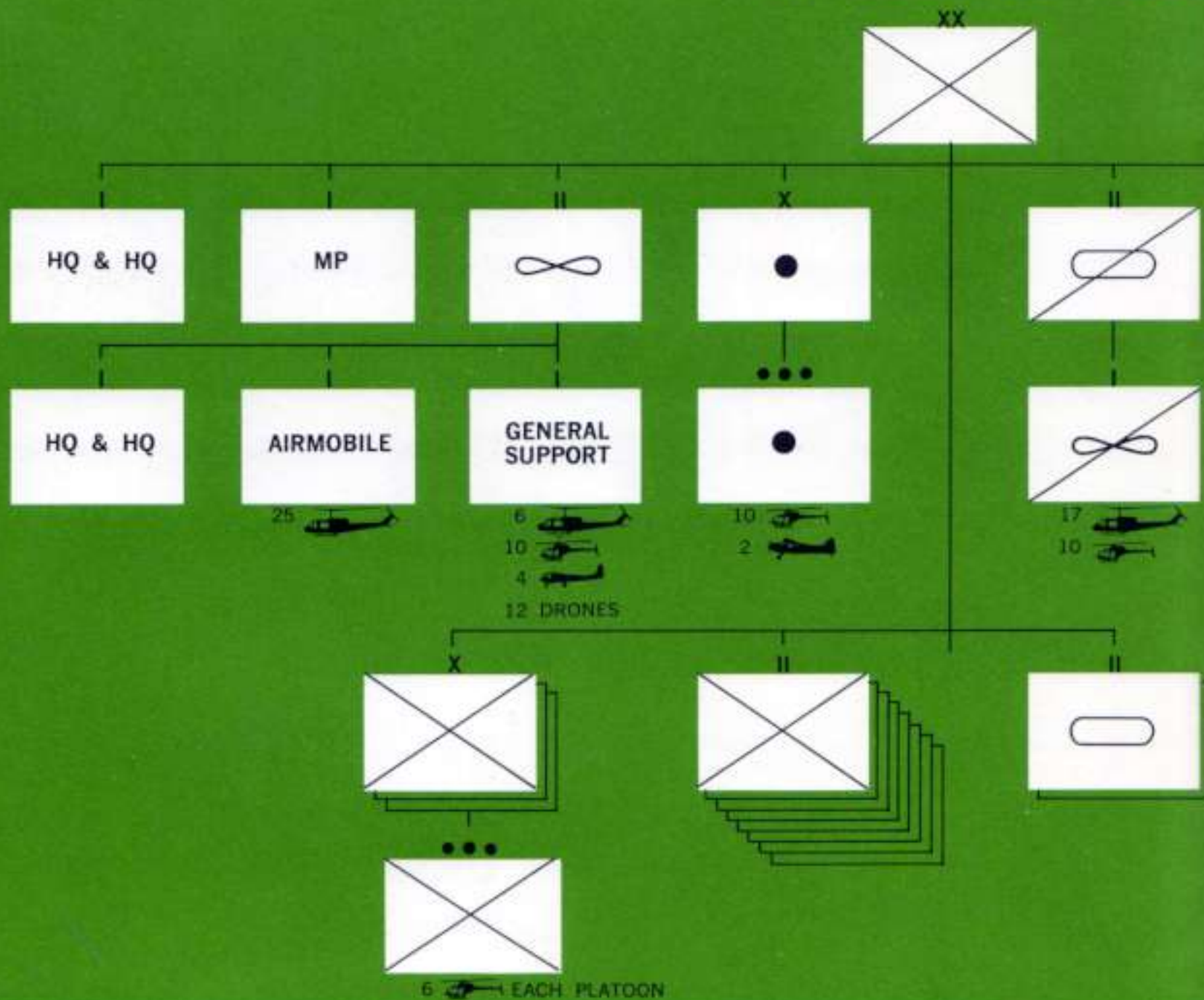
BIG "D" IROQUOIS GROOMED FOR DUTY

Equipped with HU-1D tactical troop transport, air mobility companies gain increased flexibility and minimize reaction time. Retaining the external size and other desirable features of the HU-1B, the HU-1D's enlarged cabin accommodates either 12 combat-equipped troops, six litters plus medical attendant, or other combinations of troops, cargo and litters. The HU-1D can be armed with the same weapons systems tested on earlier models.

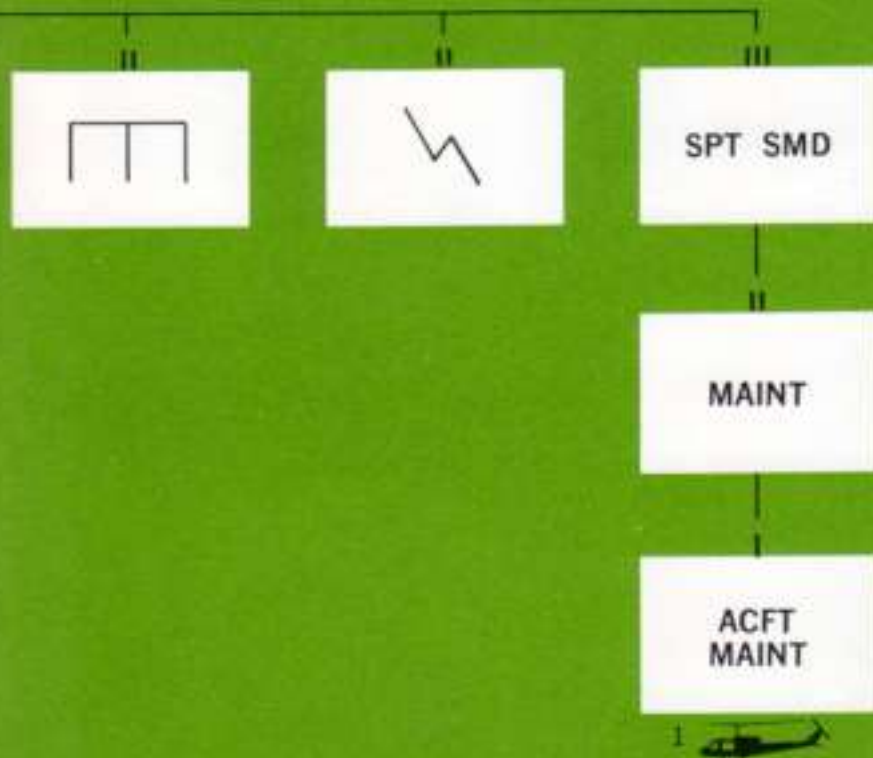


YHU-1D totes jeep and trailer by means of external sling during Army Aviation Board trials at Ft. Rucker.

A LOOK AT THE



NEW ARMY DIVISION



101st Airborne Division helicopter lives with the men on the battle line.



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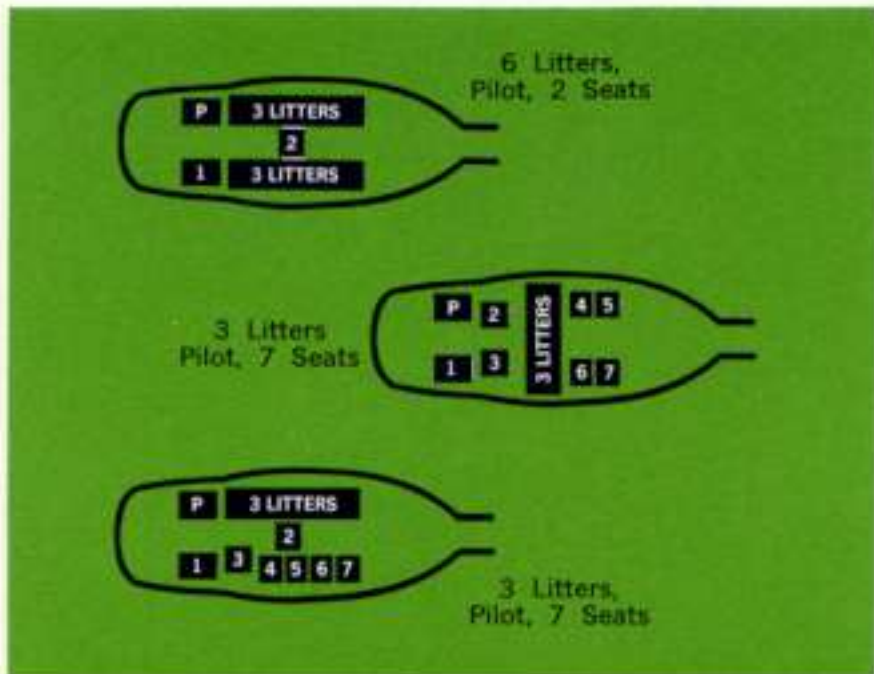
L-20

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Total Division Aircraft

103

HU-1 Iroquois teams with AC-1 Caribou to shuttle serious wounded all the way by air to rear-area hospitals.



Versatile HU-1D litter/seating configurations.



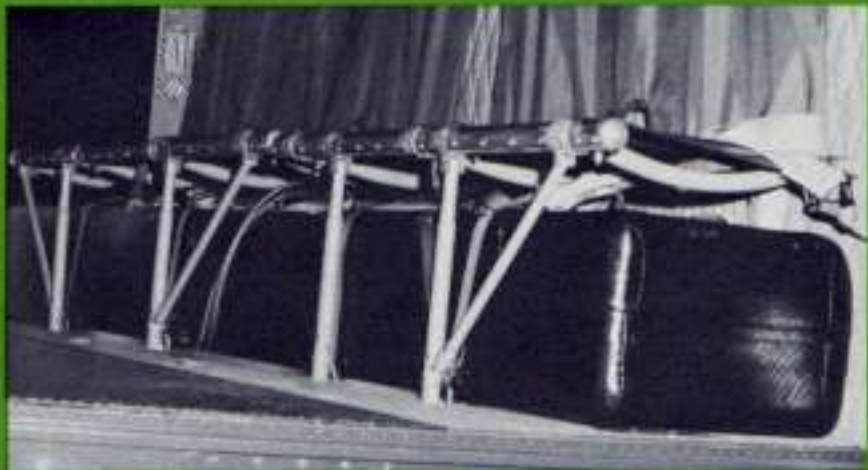
7th Army HU-1B lands at 12,000 feet to discharge Alpinist during Iranian mountain rescue operation.



With six litters, HU-1D carries twice as many wounded as other Iroquois models. Wide cabin doors simplify simultaneous loading from both sides.



Both 60 and 100-gallon external fuel tanks are being qualified for HU-1B and HU-1D helicopters.



A prototype 60-gallon capacity fuel tank is shown installed under seat of an HU-1B.



Camouflage paint scheme, developed by Army, helps heighten Iroquois' ability to "live" on the frontline.

One of two Army HU-1Bs airlifted to Antarctic for topographic survey is unloaded at Navy's Operation Deepfreeze '62 main base. First turbine helicopters to work "on the ice," Iroquois made 75 mountain peak landings carrying surveyors and equipment along 1,500-mile traverse.



Twin pods holding total of 48 2.75-inch folding fin aircraft rockets provide lethal punch for HU-1B.





Latest three Army record-holding aviators are from left: Lt. Col. Wilhelm, Capt. Gurley and Buckner, all from Army Aviation Board, Ft. Rucker.



YHU-1D rounds searchlight beam marking pylon location during world record speed run.

WORLD RECORDS HELD BY ARMY HU-1 IROQUOIS

Contest	Class	Record	Model	Pilot	Date
3-Kilometer Speed at Restricted Altitude	E-1.d	158.037 mph	HU-1	CWO C. V. Turvey	7-22-60
100-Kilometer Speed in Closed Circuit	E-1.d	142.217 mph	HU-1	CWO C. V. Turvey	7-26-60
500-Kilometer Speed in Closed Circuit	E-1.d	148.449 mph	HU-1	Col. Jack Marinelli	7-23-60
*Time to Climb to 6,000 Meters (19,686 ft.)	E-1	5 mins. 51.0 secs.	YHU-1D	**Capt. B. B. Buckner	4-13-62
*Time to Climb to 3,000 Meters (9,843 ft.)	E-1	2 mins. 17.3 secs.	YHU-1D	Lt. Col. Leland Wilhelm	4-14-62
*1,000-Kilometer Speed in Closed Circuit	E-1.d	134.934 mph	YHU-1D	**Capt. W. F. Gurley	4-20-62

Class E-1 For helicopters of any weight

Class E-1.d Helicopters weighing 3,858 to 6,613.8 lbs.

*FAI certification pending

**Now Major

ON GUARD AROUND THE WORLD



50th Medical Detachment (helicopter ambulance) in Korea handles its mercy missions with HU-1As.



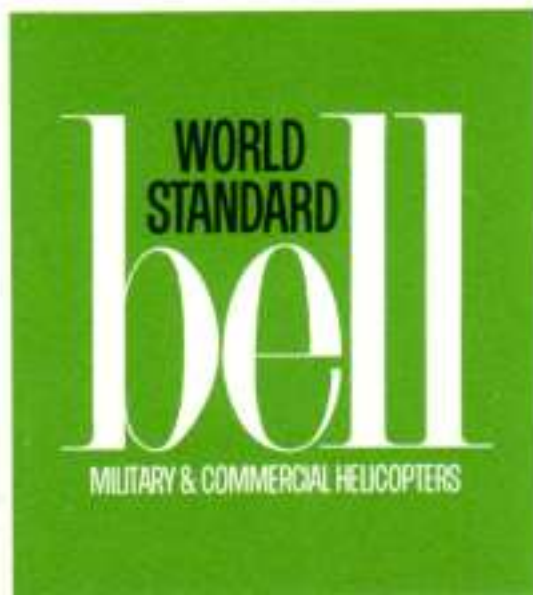
7th Army HU-1B helps keep guard up along Iron Curtain. Iroquois passes castle near Kirchem, West Germany.

Strategic Army Corps military might massed for Presidential review includes 82d Airborne Division's fleet of HU-1 Iroquois.





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