

Mechanical Heart Takes Over Job For Human Organ, Easing Surgical Operation

By ALTON L. BLAKESLEE
AP Science Reporter

DETROIT — A successful mechanical heart, to give human hearts a holiday, was announced here.

For 50 minutes, the amazing little machine pumped a man's blood through his body.

Rumbling like a quiet washing machine, it bypassed the left side of his heart. It detoured the blood coming from his lungs, and pulsed it back into his arteries.

Empty of blood, with no work to do, the still-beating heart was opened to repair a faulty valve.

The man, 41, and not identified, is alive and well today, three months after the historic operation July 3.

Only this one human success was announced — but with a hint it has worked on other persons since.

In dogs, this same pump has been rigged to bypass both sides of the heart, putting the whole heart on temporary vacation.

In dogs, also, it's been combined with an artificial lung to bypass the entire heart plus the lungs.

The heart-lung machine someday may do the same for humans.

Surgery Task Eased

This human success marks a milestone in medicine. With mechanical hearts, the heart can be laid open for new surgery, under direct view.

With part or all the heart emptied, surgeons can better remove valves or dangerously bulging bulges or other objects, repair weak spots in heart walls, take out tumors, plug holes in the heart's dividing walls. The spare hearts might someday help save people whose own hearts stop.

The human success was announced in the Journal of the American Medical Association by Dr. F. D. Dorrill, Dr. Edward Hill and Dr. Robert A. Gerisch of Harper Hospital here. General Motors engineers helped develop the mechanical heart, and are working on the artificial lung for humans.

The Research was supported by the Michigan Heart Association.

The surgeons said their patient is definitely improved, but it is not yet fully known how much he benefited from his operation.

Rheumatic fever had left him with an enlarged heart valve. It failed to close completely when the lower left chamber, the left ventricle, of his heart pumped to send blood into his arteries. Some blood coursed back up through the bad valve into the left auricle, the upper chamber which first collects blood coming from the lungs.

Any exercise made him short of breath. He was seriously ill.

Process Described

This is how the mechanical heart

helped him:

The surgeons opened his chest. A tube was pushed into the pulmonary artery, which brings blood from the lungs. Part of the left auricle was clamped off.

The machine sucked the blood from his auricle, then pumped it back through another tube inserted into the man's aorta — the great main artery coming from the ventricle. For nearly an hour no blood was going through the left side of his heart.

For 14 minutes of this time, the surgeons had his heart open, operating on the valve to make it close normally. They sewed up the heart, later disconnected the machine.

In full operation, the spare heart pumps 4½ quarts of blood a minute, as the adult heart does. It maintains even pressure.

It is small, only 19 inches long, 12 inches wide, 17 high. It is a metal-encased electric motor, with rubber tubing, glass chambers, stainless steel valves, all working on the principles of the human heart.

It is really two pumps, one on each side of the motor. One pump can substitute for the left side of the heart, the other pump at the same time for the right side.

The pump is primed with a half-pint of donated blood. The drug heparin is added to prevent the blood from clotting. Later another drug is given to offset the heparin.

The tubing valves and glass can all be easily sterilized by steam bathing.

Troublesome Convict Moved To Hospital

SALEM — Byron Neal Dyson, the state prison convict who was involved in two beat-up affairs last week, has been transferred to the Oregon State Hospital for observation.

Deputy Warden Lawrence O'Brien said Monday

Dyson, a tuberculosis patient in the prison hospital, beat up an employe. Then some convicts beat up Dyson, cutting a gash in his head that required 14 stitches.

The transfer was ordered by the prison doctor, who said the injuries worsened Dyson's illness.



NEW STATION OPENS—Formal opening of Ross Miller's new Mobile Super Service Station at 1602 Harvard Ave. was held Friday and Saturday. Miller is leasing the station from General Petroleum Corp. Bob Essory of Lookingglass will be Miller's assistant. (Picture by Paul Jenkins).

Man Begins 2nd Month In Trap On Ferry Boat

HONG KONG — Michael Patrick O'Brien, the Irish-American-Hungarian? who went for a ferry boat ride and can't get off, starts his second month Saturday on the Hong Kong - Macau sea-borne interurban which seems destined to become his permanent residence.

Fortunately O'Brien is not afflicted with seasickness — but oh, is he ever sick of the sea!

He was somewhere there Friday night in the 40 mile stretch between British Hong Kong and Portuguese Macau.

And the whole diplomatic hierarchy of this Asiatic corner of the world was at sea too, over what to do about O'Brien.

The man called O'Brien slipped aboard the ferry Lee Hong Sept. 18 at Macau, without a ticket. Likewise without passport.

The British turned up their noses at an International Red Cross card identifying O'Brien as a stateless Irishman, aged 37. They didn't question his age.

Back at Macau, the Portuguese matched noses with the British and O'Brien stayed aboard the Lee Hong.

He's been there ever since — Macau to Hong Kong, Hong Kong to Macau . . .

O'Brien says he's a U. S. citizen. The U. S. consulate says he's Hungarian.

The U. N. high commissioner for refugees in Hong Kong says there isn't a thing the United Nations can do.

While O'Brien can't prove he belongs to any country, neither can he prove that he is stateless.

That lifts him out of the province of the United Nations. But it doesn't lift him off the ferry boat.

Nonpareil Community Club Meeting Reported

By MRS. BRITAIN SLACK

Nonpareil Community Club met Wednesday evening at the Nonpareil Schoolhouse for a regular meeting with the president, Mrs. Dolly Norris presiding.

A general discussion was had on having a box supper and it was decided to have one on Nov. 21, to be held at the Fair Oaks Community Hall. Everybody is invited to participate. Mrs. Norris said.

William Riddleberger, superintendent of Sutherland schools, explained that things needed at the school would be done as soon as possible.

Entertainment for the evening was put on by the first graders and Jack Jones.

At the close of the evening refreshments were served to about fifty persons by Mrs. Zelma Kingsford, foods chairman.

The next regular meeting of the Nonpareil Community Club will be held at the schoolhouse on Wednesday, Nov. 19.

Collegiates Find Money In Rodeo

NEW YORK — That lonesome cowboy out on the lone prairie riding into the setting sun on his faithful bronco is a pretty picture — but a thing of the past.

Nowadays the kids out West grow up, go to college, and join the rodeo. Some of them, like Harley May, a gangling cowpoke from Deming, N.M., make a bundle of cash out of the trade.

May, a 26-year-old graduate of Sul Ross State College, Alpine, Tex., won the steer wrestling contest in the Madison Square Garden rodeo that ended Sunday night, and along with his triumph packed up about \$18,000. Which is not bad for a month's work.

"This is a tough racket," he said pocketing the check. "No amount of training or practicing will make a fellow a really good rodeo man. I think it has to come naturally."

May has participated in about 55 rodeos this year and hopes to get in a couple of more before calling it a season. During most of the Garden event, he and a couple of other top hands commuted from New York to Omaha where another rodeo was in progress.

"That can get a fellow mighty tired," he said. "But you have to go where the big money is because you can't go forever."

Competition is tough with about 3,000 cowboys members of the Rodeo Cowboys Association, sort of a union. Last year there were 563 rodeos all over the country and the boys fought it out for \$1,500,000 in prize money.

Broken down, the top hands made somewhere in the neighborhood of about \$15,000 a year, while Casey Tibbs, who emerged the champion of '51, hauled down about \$45,000. This year's Garden event had a prize list of \$108,000.

Wounded Fruit Grower Blames Deer Hunter

HOOD RIVER — Martin Sczuba, 43, a fruit grower, was wounded near his home five miles south of here Monday and he blamed a deer hunter.

Sczuba said two shots were fired as he sat on a log about 150 yards from the house. The first missed, but the second struck him in the side.

Not seriously wounded, he ran into the woods in pursuit of the person who fired the shots, but could not find him. He then drove to the hospital here for treatment.

Meteoric iron usually contains nickel.

Kaiser-Frazer Loses Damage Award Appeal

WASHINGTON — The Kaiser-Frazer Corp. Monday was denied a Supreme Court hearing on an appeal which sought reinstatement of a \$3,120,743 damage award against Otis & Co., investment bankers.

Kaiser-Frazer won the award, on a breach of contract charge, in U. S. district court in New York City.

But the U. S. Circuit Court there later ordered the district court to dismiss the case.

The automobile manufacturer then appealed to the highest tribunal.

FOR SALE
LOW GRADE LUMBER
No. 3 and 4 Common, 1 and 2 inches thick, all widths.
BARGAIN PRICES
Doughty Bros. Lumber Co.
1½ Miles South of Dillard on Hwy 99
Phone Roseburg, 9-8818

Drive it proudly! Save gas constantly!

Get a good-looking new Studebaker
Commander V-8 or Champion
Best "8" and best "6" in Mobilgas Economy Run in actual gas mileage per gallon!
*Studebaker Overdrive, optional at extra cost, was used

Dramatically advanced new "swept-back" jet-streamed styling!
Compare delivered prices and you'll buy a thrifty Studebaker!
All models offer Studebaker Automatic Drive or Overdrive—and glare-reducing tinted glass—at extra cost.

KEEL MOTOR CO.
443 North Jackson Dial 3-7422

1852 * STUDEBAKER'S 100TH ANNIVERSARY * 1952

Various Events 'Til Christmas Listed By JCs

First public event on the Roseburg Junior Chamber of Commerce's fall quarter program, which was released today, is the annual Newollah parade scheduled for the local kids on Oct. 31.

This is to be preceded by two strictly-member events—the Oct. 25 Halloween party and the Oct. 27 Umpqua Plywood visit.

During November, Jaycees will hold a speech contest among high school students concerning democracy.

Election returns will be broadcast on Nov. 4 in the Umpqua Hotel.

Then on Nov. 8 the Jaycees start their safety campaign. Barring wet weather, they'll have yellow safety reminders painted on Roseburg streets by that date.

Nov. 10 is Bosses Night, when members each bring their respective employers in to show them how the JCs operate. The membership drive starts on Nov. 15, with a visit from Bill Haggelstein, national director, set for Nov. 24.

On Dec. 8 nominations will be heard in preparation for the Dec. 22 election of officers.

On Dec. 8 nominations will be heard in preparation for the Dec. 22 election of officers.

On Dec. 23 prizes will be given for the best Christmas tree lighting display on houses and yards.

The complete program follows: Oct. 25 — Halloween Party Oct. 27 — Umpqua Plywood visit

31 — Newollah Parade Nov. 4 — Voice of Democracy talks Nov. 4 — Election returns

8 — Safety campaign 10 — Bosses Night 15 — Membership drive 24 — Haggelstein visit

Dec. 8 — Nominations 22 — Election of officers 23 — Hello, Santa 23 — Christmas tree lighting

Sentence on Cattle Theft Conviction Due

BAKER — Wilbert Steele, convicted of stock theft, will be sentenced Tuesday by Circuit Judge Forrest Hubbard.

Steele was accused of shooting a two-year-old heifer belonging to William Widman, butchering it on the spot and selling the hind quarters to a restaurant.

He was convicted Friday by a circuit court jury.

Fred Phillips, past president of the Oregon Cattlemen's Association and now a member of its policy making executive board, said that the association will prosecute all stock theft cases to the limit.

He said that Blaine Hallock, Baker attorney, has been retained by the association to prosecute cattle theft cases anywhere in the state.

French Declare Pact Is Not Constitutional

BORDEAUX, France — French government hopes of securing early parliamentary ratification of the European Defense Community (EDC) treaty suffered a blow Friday night when veteran statesman Edouard Herriot emphatically denounced the pact as conflicting with the French constitution.

Herriot, president of the National Assembly and former premier, of the Third Republic, spoke in opposition to the treaty at a congress of the Radical-Socialist Party, Delegates, who warmly applauded his speech, reflected him national president of the party.

The Radical-Socialists, despite their name, are a moderate middle-road group included in Premier Antoine Pinay's coalition govern-

LARGE TROUT LANDED

SAN FRANCISCO — The largest trout yet taken from San Francisco's municipal fishing hole — Lake Merced — was landed recently after a 25-minute struggle and a broken rod by Claude H. Dickens of San Francisco.

The record Rainbow weighed nine pounds and was three years old. The lake was planted with 7-9 inch fish by the Fish and Game Department in the fall of 1950.

The largest previous trout taken was by 14-year old Dave Dunn in July. Dave landed a 7½ pounder as well as a 6½ pounder the same day.

The party's support of the EDC treaty is almost a necessity if the government is to secure ratification.

Even lovelier than naturally wavy hair
You create the wave you want

RICHER QUICKER
NUTRI-TONIC
The patented OIL Creme PERMANENT

WAVES SAFELY IN LITTLE AS 10 MINUTES

Almost 1/3 is patented Oil Creme Base

FULLERTON'S REXALL DRUG STORE
127 N. Jackson Phone 3-7415

FOR PROTECTION OUTSIDE . . . FOR ENJOYMENT INSIDE!

IT PAYS TO PAINT IN THE FALL WITH

WORLD FAMOUS...TOP QUALITY SHERWIN-WILLIAMS

SWP HOUSE PAINT

New Low Price
5.88 In Fives
5.98 In Ones

YOU GET . . .

MORE BEAUTY...
SWP colors are smart and new and are the finest house paints that will work easier under the brush, give better hiding power and require less material in the long run to give you home smart long lasting beauty.

LESS WORK...
SWP is carefully formulated to produce a brilliant true white that will work easier under the brush, give better hiding power and require less material in the long run to give you home smart long lasting beauty.

LESS COST...
SWP's whiter whites are so formulated that they produce a tough resistant surface which lasts longer and stays whiter than ordinary house paints. With SWP house paint, highest quality pigment finely ground, results in a tighter film which means more years of beauty and protection. SWP will still be protecting your house after many paints would have deteriorated.

MORE ENDURANCE...
SWP is formulated by master paint technicians from the highest quality raw materials and every step of their manufacture is carefully controlled to make them last after ordinary paints will have deteriorated.

Umpqua Valley HARDWARE
202 North Jackson St. Dial 3-6628

Montgomery Ward
ROSEBURG, OREGON PHONE 3-5553
OPEN FRIDAY TILL 8 P.M.

MOTOR SALE
PRICES CUT—LIKE-NEW MOTORS GUARANTEED LIKE NEW CAR

- Motor completely dismantled. Parts replaced.
- New pistons, new piston rings and pins installed.
- Crankshaft tested for alignment, then reground.
- New main bearings. New connecting-rod bearings.
- Cylinders rebored, then honed to glass-like finish.
- Both cylinder head and block surfaces are reground.
- Camshaft reground. Camshaft bushings installed.
- New exhaust valves and valve springs installed.
- New timing gears or chains where necessary.
- Guaranteed like new car, 90 days or 4000 miles.

39-41 FORD V8 14.98 down 149.88*	37-50 PONTIAC 21.28 down 212.88*
42-52 DODGE 16.18 down 161.88*	39-49 STUDEBAKER 19.28 down 192.88*
40-50 PLYMOUTH 15.18 down 151.88*	39-48 MERCURY 15.88 down 158.88*
37-50 CHEVROLET 12.68 down 126.88*	36-48 BUICK 22.28 down 222.88*

*Prices include old motor in exchange
BUY ON TERMS—PAY ONLY 10% DOWN
WARDS WILL INSTALL AT MODERATE PRICES