

Oven of Future Aluminum Sphere

Pittsburgh - (Science Service) - The oven of the future may be a portable aluminum sphere designed for use wherever needed - at your dinner table, or in your patio.

This production is embodied in a spherical aluminum oven created by industrial designer Greta Magnusson Grossman for the Aluminum Company of America here.

The oven's heat source could be the conventional electric stove resistance unit. But less conventional sources could be used also, such as infrared or quartz light, solar, ultrasonic or induced heat.

The oven can be used to broil or bake in right at the table. It has two half-spheres circulating around each other. When open, the shelves are fully exposed. The carrying handle also serves to turn the outer shell, opening or closing the oven.

RADIO PROGRAMS - THURSDAY

Programs listed below are received from the radio stations and the Mail Tribune assumes no responsibility except to make changes as are supplied.		
KYJC 1230 kc	KMED 1440 kc	KWIN 1400 kc
4:00 - Traffic Jam	News-Terry's Tunes	Rambling
4:15 - Traffic Jam	Terry's Tunes	Hemingway News*
4:30 - Traffic Jam	Terry's Tunes	Obituary News*
4:45 - Traffic Jam	Terry's Tunes	One for the Road
5:00 - Edward Murrow**	News-Terry's Tunes	One for the Road
5:15 - Thomas-Sports**	Terry's Tunes	One for the Road
5:30 - Tom Harmon**	Weather-News	One for the Road
5:45 - Frank Goss**	Orville Anderson	One for the Road
6:00 - Seaverd-A & A**	News-Patio Party	News & Sports
6:15 - Amos n Andy**	Patte Parly	Candle Light & Wine
6:30 - News-Answer Please*	Pres. Eisenhower	Candle Light & Wine
6:45 - Sound 1230	Patte Parly	Patte Parly
7:00 - World Tonight**	Patte Parly	Patte Parly
7:15 - Sound 1230	Patte Parly	Patte Parly
7:30 - Sound 1230	Patte Parly	Patte Parly
7:45 - Sound 1230	Patte Parly	Patte Parly
8:00 - Portland-Spokeane	News-Mv True Story**	News-Swap-Sell
8:15 - Portland-Spokeane	My True Story*	News-Swap-Sell
8:30 - Portland-Spokeane	My True Story*	News-Swap-Sell
8:45 - Portland-Spokeane	My True Story*	News-Swap-Sell
9:00 - Portland-Spokeane	News-People Funny	Green Room
9:15 - Portland-Spokeane	People Are Funny	Green Room
9:30 - Portland-Spokeane	Nightbeat	Green Room
9:45 - Portland-Spokeane	Nightbeat	Green Room
10:00 - Portland-Spokeane	Nightbeat	Green Room
10:15 - Portland-Spokeane	Nightbeat	Green Room
10:30 - Portland-Spokeane	Nightbeat	Green Room
10:45 - Sound 1230-News	Nightbeat	Green Room
11:00 - Sign Off	News	Sign Off

RADIO PROGRAMS - FRIDAY

Programs listed below are received from the radio stations and the Mail Tribune assumes no responsibility except to make changes as are supplied.		
KYJC 1230 kc	KMED 1440 kc	KWIN 1400 kc
6:00 - Sound 1230	Wake Up to Music	Chuckwagon
6:15 - Sound 1230	Wake Up to Music	Chuckwagon
6:30 - Sound 1230	Wake Up to Music	Chuckwagon
6:45 - Sound 1230	Wake Up to Music	Chuckwagon
7:00 - Sound 1230	Wake Up to Music	Chuckwagon
7:15 - Sound 1230	Wake Up to Music	Chuckwagon
7:30 - Sound 1230	Wake Up to Music	Chuckwagon
7:45 - Sound 1230	Wake Up to Music	Chuckwagon
8:00 - Sound 1230	Wake Up to Music	Chuckwagon
8:15 - Sound 1230	Wake Up to Music	Chuckwagon
8:30 - Sound 1230	Wake Up to Music	Chuckwagon
8:45 - Sound 1230	Wake Up to Music	Chuckwagon
9:00 - Sound 1230	Wake Up to Music	Chuckwagon
9:15 - Sound 1230	Wake Up to Music	Chuckwagon
9:30 - Sound 1230	Wake Up to Music	Chuckwagon
9:45 - Sound 1230	Wake Up to Music	Chuckwagon
10:00 - Sound 1230	Wake Up to Music	Chuckwagon
10:15 - Sound 1230	Wake Up to Music	Chuckwagon
10:30 - Sound 1230	Wake Up to Music	Chuckwagon
10:45 - Sound 1230	Wake Up to Music	Chuckwagon
11:00 - Sign Off	News	Sign Off

KBOS AM 730 kc - FM 95.3 Meg.

Programs listed below are received from the radio stations and the Mail Tribune assumes no responsibility except to make changes as are supplied.		
KBOS AM 730 kc	KBOS FM 95.3 Meg.	
4:00 - School Bell	4:00 - School Bell	
4:15 - Farm Report	4:15 - Farm Report	
4:30 - Sign Off	4:30 - Sign Off	
4:45 - Sign Off	4:45 - Sign Off	
5:00 - Sign Off	5:00 - Sign Off	
5:15 - Sign Off	5:15 - Sign Off	
5:30 - Sign Off	5:30 - Sign Off	
5:45 - Sign Off	5:45 - Sign Off	
6:00 - Sign Off	6:00 - Sign Off	
6:15 - Sign Off	6:15 - Sign Off	
6:30 - Sign Off	6:30 - Sign Off	
6:45 - Sign Off	6:45 - Sign Off	
7:00 - Sign Off	7:00 - Sign Off	
7:15 - Sign Off	7:15 - Sign Off	
7:30 - Sign Off	7:30 - Sign Off	
7:45 - Sign Off	7:45 - Sign Off	
8:00 - Sign Off	8:00 - Sign Off	
8:15 - Sign Off	8:15 - Sign Off	
8:30 - Sign Off	8:30 - Sign Off	
8:45 - Sign Off	8:45 - Sign Off	
9:00 - Sign Off	9:00 - Sign Off	
9:15 - Sign Off	9:15 - Sign Off	
9:30 - Sign Off	9:30 - Sign Off	
9:45 - Sign Off	9:45 - Sign Off	
10:00 - Sign Off	10:00 - Sign Off	
10:15 - Sign Off	10:15 - Sign Off	
10:30 - Sign Off	10:30 - Sign Off	
10:45 - Sign Off	10:45 - Sign Off	
11:00 - Sign Off	11:00 - Sign Off	

TELEVISION PROGRAMS

The following TV broadcast log is printed as a free public service for the Mail Tribune's readers and TV viewers. Schedule changes are printed as provided by the TV stations and the Mail Tribune cannot accept responsibility for errors or omissions.

KBOS-TV (Channel 5) KOTI-TV (Channel 2)

Programs listed below are received from the radio stations and the Mail Tribune assumes no responsibility except to make changes as are supplied.		
KBOS-TV (Channel 5)	KOTI-TV (Channel 2)	
4:00 - Devotions	4:00 - Chaplain's Corner	
4:15 - Uncle Bill's Cartoons	4:15 - Uncle Bill's Cartoons	
4:30 - Panorama	4:30 - Panorama	
4:45 - Doug Edwards	4:45 - Doug Edwards	
5:00 - Rin Tin Tin	5:00 - Rin Tin Tin	
5:15 - TV Weatherman	5:15 - TV Weatherman	
5:30 - News	5:30 - News	
5:45 - Doug Edwards	5:45 - Doug Edwards	
6:00 - Industry on Parade	6:00 - Industry on Parade	
6:15 - Pappy Coleman	6:15 - Pappy Coleman	
6:30 - Cannonball	6:30 - Cannonball	
6:45 - Danger Is My Business	6:45 - Danger Is My Business	
7:00 - Playhouse 90	7:00 - Playhouse 90	
7:15 - U.S. Marshall	7:15 - U.S. Marshall	
7:30 - News	7:30 - News	
7:45 - "After the Thin Man"	7:45 - "After the Thin Man"	
8:00 - Sign Off	8:00 - Sign Off	
8:15 - Sign Off	8:15 - Sign Off	
8:30 - Sign Off	8:30 - Sign Off	
8:45 - Sign Off	8:45 - Sign Off	
9:00 - Sign Off	9:00 - Sign Off	
9:15 - Sign Off	9:15 - Sign Off	
9:30 - Sign Off	9:30 - Sign Off	
9:45 - Sign Off	9:45 - Sign Off	
10:00 - Sign Off	10:00 - Sign Off	
10:15 - Sign Off	10:15 - Sign Off	
10:30 - Sign Off	10:30 - Sign Off	
10:45 - Sign Off	10:45 - Sign Off	
11:00 - Sign Off	11:00 - Sign Off	

STAR GAZER

By CLAY R. POLLAN		
Star Gazer	Star Gazer	Star Gazer
ARIES MAR. 21 - APR. 20	TAURUS APR. 21 - MAY 21	GEMINI MAY 22 - JUN. 21
1. Why 31 To 61 Good	1. Why 31 To 61 Good	1. Why 31 To 61 Good
2. Don't 32 And 62 Get	2. Don't 32 And 62 Get	2. Don't 32 And 62 Get
3. For 33 New 63 Into	3. For 33 New 63 Into	3. For 33 New 63 Into
4. Marvellous 34 Or 64 Leave	4. Marvellous 34 Or 64 Leave	4. Marvellous 34 Or 64 Leave
5. A 35 Doubt 65 Talents	5. A 35 Doubt 65 Talents	5. A 35 Doubt 65 Talents
6. Try 36 Celebrate 66 Under	6. Try 36 Celebrate 66 Under	6. Try 36 Celebrate 66 Under
7. Special 37 Think 67 Advertise	7. Special 37 Think 67 Advertise	7. Special 37 Think 67 Advertise
8. Don't 38 Personal 68 Advice	8. Don't 38 Personal 68 Advice	8. Don't 38 Personal 68 Advice
9. Day 39 Trade 69 Advertise	9. Day 39 Trade 69 Advertise	9. Day 39 Trade 69 Advertise
10. Get 40 Hide 70 A	10. Get 40 Hide 70 A	10. Get 40 Hide 70 A
11. Reckless 41 Clothes 71 News	11. Reckless 41 Clothes 71 News	11. Reckless 41 Clothes 71 News
12. Attention 42 From 72 Fraud	12. Attention 42 From 72 Fraud	12. Attention 42 From 72 Fraud
13. If 43 Affection 73 Before	13. If 43 Affection 73 Before	13. If 43 Affection 73 Before
14. For 44 Consult 74 A	14. For 44 Consult 74 A	14. For 44 Consult 74 A
15. You 45 And 75 Affairs	15. You 45 And 75 Affairs	15. You 45 And 75 Affairs
16. Heart 46 Seriously 76 Proficiency	16. Heart 46 Seriously 76 Proficiency	16. Heart 46 Seriously 76 Proficiency
17. To 47 An 77 Bushy?	17. To 47 An 77 Bushy?	17. To 47 An 77 Bushy?
18. Con 48 Losses 78 Profitably	18. Con 48 Losses 78 Profitably	18. Con 48 Losses 78 Profitably
19. Born 49 Inspiration 79 Or	19. Born 49 Inspiration 79 Or	19. Born 49 Inspiration 79 Or
20. Boring 50 The 80 The	20. Boring 50 The 80 The	20. Boring 50 The 80 The
21. In 51 May 81 Events	21. In 51 May 81 Events	21. In 51 May 81 Events
22. Interests 52 Love 82 Worthwhile	22. Interests 52 Love 82 Worthwhile	22. Interests 52 Love 82 Worthwhile
23. Protect 53 And 83 Them	23. Protect 53 And 83 Them	23. Protect 53 And 83 Them
24. More 54 Decent 84 Indicated	24. More 54 Decent 84 Indicated	24. More 54 Decent 84 Indicated
25. Time 55 As 85 Making	25. Time 55 As 85 Making	25. Time 55 As 85 Making
26. Pity 56 Some 86 Fact	26. Pity 56 Some 86 Fact	26. Pity 56 Some 86 Fact
27. Many 57 And 87 Collar	27. Many 57 And 87 Collar	27. Many 57 And 87 Collar
28. Yourself 58 Hot 88 Alone	28. Yourself 58 Hot 88 Alone	28. Yourself 58 Hot 88 Alone
29. People 59 Materialize 89 Clergymen	29. People 59 Materialize 89 Clergymen	29. People 59 Materialize 89 Clergymen
30. Your 60 Surprise 90 Changes	30. Your 60 Surprise 90 Changes	30. Your 60 Surprise 90 Changes
Good Adverse Neutral	Good Adverse Neutral	Good Adverse Neutral

The Medical Roundup

by Walter Alvarez

Emeritus Consultant in Medicine, Mayo Clinic
Emeritus Professor of Medicine, Mayo Clinic

Sterilization of Men

Quite a few men who have a sick wife, who might lose her life if she got pregnant, have been advised to have a vasectomy, or tying of the tubes which carry the sperm from the testicles up to the base of the bladder.

The men have been told quite correctly that this is a minor operation which can be performed in a few minutes, and that it will not do them any harm. The men want to know from me if they have been told the truth.

Naturally, they are particularly concerned to know if a vasectomy will affect their future interest in sex and their potency. Actually, during the last 40 years I have seen a number of articles on this subject, and so far as I can remember, every authority has agreed that there is no way in which a vasectomy can injure a man, unless perhaps he is a none-too-sane worried. Such a man could easily worry himself sick later. There are some easily-suggestible men who, if they thought that the operation might injure their potency, could probably talk themselves into the idea that they were impotent. But any man with a normal nervous system who is not inclined to worry and stew over things will never have any trouble. During the career of "Dr. Brinkley" of radio and prostate-gland fame, I imagine he must have cut and tied the cords of a few thousand men. Other thousands have had this operation performed in prisons and mental hospitals.

Operation Described

Many a man wants to know if, later, if he should marry again and much want to have a child, could the ducts be opened up. Actually, I have seen this simple operation described.

One fact which might encourage some men is that, for many years - especially in Europe - the operation was performed by physicians who expected it to improve an aging man's sexual interest and potency. Because the operation for sterilization is so much simpler and safer in men than in women, it would seem that when a married couple must face having something done, the husband ought to volunteer.

Travel By Plane

Many people, especially those who have been told that they have a little heart murmur, ask if they should ever travel by plane. I say, "yes," because today the cabins of planes are pressurized. Even when the plane goes up to 30,000 feet no one need feel any discomfort. Heart specialists say that if a man can walk about comfortably on the surface of the earth, he can go anywhere in a modern airplane.

Dr. Alvarez's new booklet on weight control may be obtained by sending 25 cents and a large, stamped, self-addressed envelope with your request to Dr. Walter C. Alvarez, Dept. MMT, The Register and Tribune Syndicate, Box 957, Des Moines 4, Iowa. (Released by The Register and Tribune Syndicate, 1959)

Capable of Magnetization

Washington - (Science Service) - A new flexible plastic can be chopped into all sizes and shapes without losing its magnetic properties.

Developed by the B. F. Goodrich Company, Akron, Ohio, the plastic is being produced in strips at the rate of more than ten miles a week. The strips are intended for use on refrigerator doors, both to insulate and to keep the doors shut by magnetic attraction.

Robert Shornstheimer, a Goodrich product engineer, told Science Service by telephone that the plastic contains a magnetized metallic powder. He said the magnets are produced by melting a vinyl resin mixed with plasticizers and the powder, then extruding the mixture in the desired shape, and finally running the strips through a magnetic field.

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Meteors Act as 'Mirrors in Sky'

Boston - (Science Service) - Meteors act as "mirrors in the sky," reflecting radio waves to interfere sometimes with communications of "ham" operators and with radio sets in the home.

Dr. Gerald S. Hawkins, assistant astronomy professor at Boston University here, said a nine-month study of meteors showed the radio-reflecting properties. The study also showed that meteors do not emit radio noise themselves.

Meteors are tiny bits of interplanetary debris that make "shooting stars" when they burn up in the earth's atmosphere at great speeds. Dr. Hawkins said the average meteor releases power at a rate of 10,000,000 watts of energy when it disintegrates in the earth's upper atmosphere. If this energy were converted into light energy, it would yield enough power to light 10,000 flood lamps of 1,000 watts each.

The meteor study was supported jointly by the Army, Navy and Air Force under contract with the Massachusetts Institute of Technology. Two super-Schmidt meteor cameras, operated by Harvard College Observatory personnel at Sacramento Peak, N. M., were used to obtain photographs of the luminous objects, from which their heights and velocities could be determined.

Phoenix Cemetery Clean Up Scheduled

A general clean up will be held in the Phoenix pioneer cemetery Saturday and Sunday. Bert Stancliffe, secretary of the Phoenix Cemetery association, said today.

All volunteer workers are asked to bring shovels, rakes and hoes. Pickup trucks will be available to carry away the debris, he said.

Anyone not able to work but wishing to help may contribute money to assist in the project, the association secretary suggested.

Hot coffee and sandwiches will be given to the workers by the members of the Thursday club and Lady Lions, Stancliffe said.

ASTHMA?

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Dr. Hollenbeck at Portland Conference

Asland - Now attending the Conservation and Resource-Use Education project conference in Portland is Dr. Irene Hollenbeck, associate professor of Science at Southern Oregon college.

The conference for Western and Midwestern state agencies and workshop directors is expected to draw representatives from 13 states. Participants of the December conference considered the exchange of materials and publications valuable and the same procedure is to be followed with each participant bringing representative materials for display at this conference also.

Andy's Jeweler

15 NORTH CENTRAL

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TV PROBLEMS?

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Strange As It Seems

By ELSIE HIX



LAMP MAKERS HAD BEEN TRYING FOR 20 YEARS TO FROST LIGHT BULBS, ON THE INSIDE, THAT WOULD NOT SHATTER AT THE SLIGHTEST JAR--

MARVIN PIPKIN, A YOUNG ENGINEER AT GENERAL ELECTRIC AFTER WORLD WAR I, WAS GIVEN THE ASSIGNMENT-- WITHIN 2 WEEKS HE HAD SOLVED THE PROBLEM!



STEVE CANYON



BUZ SAWYER



BARNEY GOOGLE and SNUFFY SMITH



BLONDIE



MUTT and JEFF



CROSSWORD PUZZLE

Answer to Yesterday's Puzzle

ACROSS	DOWN
1-Scottish cap	1-Uppermost part
2-To sail	2-Part
3-Be ill	3-Part
4-Cyberhold	4-Part
5-Weak	5-Part
6-Weak	6-Part
7-European	7-Part
8-Corrupt	8-Part
9-Three-toed	9-Part
10-Hold on	10-Part
11-Entrance	11-Part
12-Entrance	12-Part
13-Entrance	13-Part
14-Part of face	14-Part
15-Spread for drying	15-Part
16-Part of	16-Part
17-Part of	17-Part
18-Part of	18-Part
19-Part of	19-Part
20-Part of	20-Part
21-Part of	21-Part
22-Part of	22-Part
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