

Oboe, Wooden Instrument, Built in Three Sections

Often called the hautboy, the oboe is a wooden instrument of conical bore played with a double reed. Built in three sections—"top joint," "lower joint" and "bell"—the instrument contains many keys and bores. Chief improvements are due to research conducted by Barre and Triebert. Like the bassoon, it evolved from that group called pomers, schalmeyns and bombardars. The tone, peculiarly distinctive without being powerful or obtrusive, is very penetrating. Cambert first used it in the score for his opera, "Pomone," produced in Paris in 1671, relates a writer in the Chicago Daily News.

The cor anglais, not a horn, differs in build from the oboe in that the tube is longer and ends in a globular or pear-shaped bell, and the crook which holds the reed is bent back at an angle. Its tone quality is melancholy and good examples may be heard in the shepherd's pipe melody in Act III of "Tristan," or in the slow movement of Dvorak's "From the New World." Gluck wrote for it in "Alceste" and "Orfeo," but these parts were played by the clarinet because the cor anglais was not yet a member in good standing of the orchestra. Although Mozart, Haydn and Beethoven composed for it occasionally, it did not become a part of the symphonic group until Wagner demanded it.

Consisting of a single beating reed, the clarinet is constructed with a tube pierced with many side holes terminating in a bell. The alto and bass clarinets, however, have keys instead of holes.

Supposedly invented by Denner (Nuremberg, 1690), the clarinet traces its ancestry to the chalumeau. In 1843 Klose completely reorganized the fingering, basing it on the Boehm system. Although Rambeau had used clarinets in 1751 in his opera "Acante et Daphne," their place in the orchestra really dates to about 1770, when Mozart employed several in his "Paris" symphony.

Various Kinds of Ships

And Styles of Rigging

A full-rigged ship is one with a bowsprit and three masts, all masts being square-rigged. Any vessel square-rigged on all masts is termed full-rigged. A barkentine is called such because it is square-rigged on the fore and schooner-rigged on the other masts. Schooner-rigged means fore and aft rigged. Any craft that has more than two masts with the fore mast square-rigged is in the barkentine class. A bark generally refers to a craft that is square-rigged on two or more masts, with one or more masts schooner-rigged. Thus a four-masted bark, according to a writer in the Philadelphia Inquirer, would be square-rigged on fore, main and mizzen masts and schooner-rigged on the jigger masts.

A brig is a ship of other days, although some are found in foreign waters. It is a two-masted vessel square-rigged forward and square-rigged aft; a ship square-rigged on two masts. The hermaphrodite brig is really a brigantine and is a two-masted vessel, square-rigged forward and schooner-rigged behind.

Isle Noted for Loneliness

The loneliest place in the British empire is Tristan da Cunha, the largest and the only inhabited island of a group of three situated in the middle of the South Atlantic ocean and named for a Portuguese admiral, Tristan da Cunha, who discovered these rocks in the sea in 1506. There is but the barest means of sustenance on the island. Fertile soil is scant, being continually washed away by rains, and rodents poach upon the carefully tended gardens. The fish supply is plentiful except in stormy weather, when it is dangerous to venture out on the rolling sea. Tristan da Cunha is an extinct volcano, the crater of which is filled with fresh water. The nearest land is St. Helena, where Napoleon died, 1,320 miles away to the north, with Cape Town 1,400 miles to the east.

Head-Hunters Hate White Men

The head-hunting Marindanim tribesmen of Dutch New Guinea, natives of the island lying north of Australia, practice head-hunting as they have for hundreds of years. The Marindanim, inhabiting the Diagoel river district, are the most savage and successful of the head-hunting tribes on the island. They regard all other tribes as implacable enemies and raid them continually for their ghastly human trophies. So intense is their hatred of the white man that few whites ever venture near them. The Dutch government makes persistent but fruitless efforts to stamp out the habit of head-hunting.

Cock o' the Walk

The cocker spaniel does not get his name from his confident manner . . . although that might furnish reason enough for so designating him . . . he is called the cocker because he was primarily used for hunting woodcock . . . incidentally, the springer spaniel comes by his name in much the same manner, says the American Wildlife institute. His antecedents were originally known as "springing spaniels" because of their habit of springing towards game to flush it.

Strength of Left Hand

Affected by Intellect

The relative strength of the left hand increases with decreasing intellect, Paul Popenoe, Ph. D., declares in an article on "Left-Handedness," in Hygeia, the health magazine.

Of course, this correlation between handedness and degree of mental superiority or deficiency is subject to conspicuous exceptions. But as one goes downward in the scale of intelligence, the superiority of right over the left hand, as shown by gripping tests, decreases or is even upset by a stronger left hand.

The pure right-hander is found by most tests to have the advantage; the pure left-hander comes next; the various intergrades are at the bottom of the list.

Hand and foot tend to go together, so that the hand used on the spade is an almost infallible determiner of the foot which will be used on the same implement. Hand and eye likewise tend to go together, the right-handed person usually being right-eyed as well.

It has sometimes been supposed that a bodily balance is the highest state, in which the individual uses the right hand singly but the left hand in batting or sweeping, this being supposed to produce or to be the result of, a more symmetric bodily development.

Such a situation is found most frequently among superior males—those of the highest intelligence—while the commoner situation, in which the individual bats right-handedly but sweeps left handedly, is more usual among other males and among all normal females regardless of their level of intelligence.

Handedness is inborn and inherent, though there is still some question as to its inheritability. Handedness is correlated with other fundamental, biologic differences, such as those of sex and of intellect.

Handedness is also associated with the hair whorl on the crown of the head, an inherited characteristic which is little affected by training, as many persons can testify who happen to have one of these whorls on some other part of the scalp, which has stubbornly resisted the hairbrush during an entire lifetime.

The righthander most frequently shows a clockwise whorl, while that of the lefthander is more likely to turn in a counter clockwise direction.

Tanning of Leather Was

Known to the Ancients

Primitive man was content to wear fur skins. Early experimenters, however, discovered that the hair of animal hides could be removed and the skin made into smooth leather. The skin was soaked in bark juice for a week or more, then dried. Oil was rubbed into it to make it soft and pliable. The resulting material was more useful and less clumsy than a hairy skin.

Formulas for tanning were known to the ancient Arabs and Hebrews, states a writer in the Chicago Tribune. Leather was used for apparel, shoes, leggings, wine casks, money bags, and thongs. In some lands, says the historian, leather disks were used as money.

Beautifully worked leather was placed in the same category with ivory, silver or gold. In Egyptian tombs, leather has been found well preserved although more than 3,000 years old.

Warring nations covered their ships with tough leather. Soldiers carried hide protected shields or wore thick leather armor.

Expansion of Water

Water, like other substances, follows the general law by expanding when heated, but below the temperature of 4 deg. C. (or 32.9 deg. F.) it forms an exception to this rule. It is at its greatest density at that temperature; when cooled below that point it expands. This expansion with freezing is of great importance, for it keeps the ice on top of the heavier masses of water, thus preventing the solid freezing of lakes and ponds, which would cause the death of animal life in their waters. It also causes the bursting of water pipes in cold weather.

The Equestrian Statue

Although the belief that the position of the horse's feet in an equestrian statue signifies the fate of its rider in battle has been widely accepted, officials of the Pennsylvania Academy of the Fine Arts assert that it is without basis. This opinion held that a military equestrian statue with the horse's four feet resting on the ground indicated that the rider came through the battle safely, but that when the right foot was raised the rider had been killed in conflict and when both feet were raised the rider had been wounded. Research indicates, however, that sculptors are guided by artistic considerations rather than historical significance in this matter.

Hospitals Called 'Pest Houses'

Back in early medieval history when hospitals were first getting their start they were commonly known as "pest houses." And pest houses they remained for many years, until modern science and equipment put an end to the name. Or almost, for throughout the country that term is applied to the nation's isolation hospitals by a surprising number of people.

OREGON ARMY DAY OBSERVANCE APRIL 6

Army Day will be celebrated April 6th throughout Oregon under the sponsorship of the Military Order of the World War, according to Hon. Joseph K. Carson, Jr., mayor of Portland, recently appointed commander of the Ninth Corps Area of the Military Order, and who is also a member of their general staff.

Mayor Carson also announces the appointment of Major H. D. Bagnall, U. S. Army Recruiting Officer, Portland, as his corps area chief of staff, with Hon. James A. Fee as Judge Advocate and Dr. Ralph A. Fenton as surgeon.

According to President Roosevelt: "In these troublesome and disturbed times, it is fortunate that one day a year can be designated as belonging particularly to our army, on which day public attention is focussed on the military establishment—its readiness to assume its emergency responsibilities—and its requirements; if we are to afford our defenders means adequate for the successful accomplishment of the missions assigned them by the people of the United States."

The membership of the Military Order of the World War consists of those who served as officers in the World War. The order has sponsored Army Day for the past several years.

A troupe of wandering minstrels will play and sing for visitors to Treasure Island during the California World's Fair Premiere, February 18 and 19.

CLAIMS ALLOWED BY THE COUNTY COURT AT THE FEBRUARY, 1939, TERM, EXCEPT CERTAIN

CLAIMS ALLOWED BY STATUTE.

Table listing various claims allowed by statute, including names of claimants and amounts. Examples include: A. B. Doyle & Associate Emerg. \$3,300.00; Guy Cook, Cir. Court 32.00; M. W. Deardorff, Library 12.15; Chipman Chemical Co., Weed Control 2,175.00; Randall & Perry, Emerg. 278.75; Earl Shortridge, Poor 36.90; Raley Kilkenny & Raley Emerg. 265.25; Walter Picard, Poor 132.00; Pacific Tel. & Tel. Co., Poor Farm 33.75; Thos. A. Hodgson, Court House 15.00; Mrs. E. B. Casteel, Sheriff 26.16; W. R. Smythe, Poor 75.00; Mrs. E. B. Casteel (post-charge) offices 8.00; Clare Gianelli, Recorder 24.75; Nina Sloan, County Court 23.85; Pendleton Water Commission, Court House 28.15; Mayme Robinson, Clerk 12.60; Association of Oregon Counties, County Court 113.76; Hermiston Herald, County Court 16.80; Funk & McLean, Co. Court L. G. Frazier, offices 16.80; Biggs Printing Co., County Court 4.00; Wm. Switzer, Co. Court 20.00; Carl W. Chambers, County Court 16.55; Wm. Meiners, Co. Court 12.00; Busby's Cafeteria, Circuit Court 7.75; Chas. A. Peterson, Circuit Court 15.00; LaFontaine's, Cir. Court 5.35; Troy Laundry, Cir. Court 2.20; Jack Allen Supply Co., Sheriff 96; R. E. Goad, Sheriff & Jail West Coast Printing & Bd. Co., Sheriff, Clerk & Recorder 319.85; Dunlap Stationery offices 12.70; Domestic Laundry, Sheriff 8.41; Biggs Printing Co., Sheriff 18.75; Vina Hoskins, Sheriff 2.96; Leona G. Swan, Sheriff 53.21; Lillian Nooy, Sheriff 93.60; Funk & McLean, Sheriff 350.00; Columbia Investment Co., Clerk 50.00; George D. Barnard Stationery Co., Recorder 9.27; Sprague H. Carter, Treas. & Recorder 260.00; W. H. Cray, Assessor 15.00; J. A. Yeager, School Supt. 5.50; H. & M. Ribbon Co., School Supt. 73.00; Ind. City Scavenger, Court House 3.00; Farmer's Elevator Co., Poor Farm, Court House and Library 309.75; J. C. Penney Co., Court House 2.40; Cascade Chemical Co., Court House 15.92; McKee Furniture Co., Court House 11.75; Oregon Lumber Yard, Court House 38.95; Jones-Kay Co., Court House 1.50; Consolidated Freight Lines, Court House .65; Empire Chemical Sales Co., Court House 8.75; Smythe-Barthel Co., Court House 7.20; Pac. Power & Light Co., Court House 127.79; Vaughan's Electric, Court House 8.99; Pendleton Drug Co., Poor Farm 3.35; J. L. Eldridge, Poor Farm Supt. 253.05; Tallman & Co., Poor Farm Pac. Power & Light, Poor Farm 34.53; Tolson's Funeral Chapel, Poor Farm 52.50; T. B. Bomboy, Poor Farm 52.50; T. B. Bomboy, Poor Farm Glenn's Pharmacy, Poor Farm .85; Dr. H. S. McKenzie, Jail 2.50; A. B. Adkisson, Insane 5.00; F. M. Caverhill, Water-

Table listing various claims allowed by statute, including names of claimants and amounts. Examples include: master 26.82; W. L. Hamm, Ind. Soldier 97.20; Van Waters & Rogers, Inc. Morning Glory 1,275.00; Oregon State Agr. College Co. Agt. & Home Dem. 3,100.00; State Dept. of Agriculture Sealer of W'ts. 30.58; Hartman Abstract Co., Emerg. 20.00; J. A. Yeager, Emerg. 100.00; Underwood Elliott Fisher Co., Dist. Atty. 95.05; J. L. Murray, Clerk Chamber of Commerce, Adv. 1.00; Clare Gianelli, Clerk 250.00; Raley, Emerg. 11.93; Raley, Emerg. 13.75; A. H. MacLaren, Health Unit 5.19; Dr. A. H. MacLaren, Health Unit 45.35; Aileen E. Moreland, Health Unit 26.50; Elma Whipple, Health Unit 62.65; Marjory Bohart, Health Unit 68.70; M. W. Deardorff, Poor Farm & Court House 39.25; D. W. Davis, Assessor 8.22; A. C. McIntyre, Just. Ct. 19.20; Penland Bros., Poor Farm & Court House 316.71; Larson Pkg. Co., Sheriff & Treas. 78.85; Mrs. E. B. Casteel (Post-charge) Sheriff & Recorder State Ind. Acc. Comm., Sheriff 15.23; G. A. Hartman, Postmaster, Sheriff 320.00; Pac. Tel. & Tel. Co., Offices East Oregonian, Offices 95.82; Kee Lox Mfg. Clerk 263.08; W. J. Clarke, Rec. & Court House 6.35; Dorothy W. Bell, Treas. 18.00; Gillanders & Burroughs, Court House 3.70; Dr. J. P. Brennan, Insane 5.00; Dr. L. C. Richey, Ind. Sold. T. M. Birkbeck, Ind. Sold. Clifford's Serv. Station General Road 21.57; Earl Snell, Secretary, General Road 6.00; E. W. Barnum, General Road 5.00; Earl Snell, Secretary, General Road 2.00; R. E. Goad, Sheriff, General Road 44.00; W. M. Moore, P.W.A. Proj. No. 1276-F 101.61; Earl Snell, Sec., General Road 2.00; C. A. Michael, General Road 80.00; Nirschl Brothers, General Road 257.33; Pendleton Water Comm., General Road 3.85; Associated Oil Co., General Road 1,413.43; Akers Serv. Station, General Road 4.55; E. W. Barnum, General Road 20.00; Braden-Bell Tractor Co., General Road 6.67; Brinker Brothers, General Road 1.49; Bauer & Franz, Ins., General Road 605.91; Collier Motor Co., General Road 20.26; W. J. Clarke, General Road Consolidated Freight Lines, General Road 1.24; Columbia Equipment Co., General Road 812.13; Co-operative Hdwe. Service, General Road 2.65; Carl W. Chambers, General Road 4.20; Funk & McLean, General Road 75.00; L. G. Frazier, General Road Leonaughy Mach. Co., General Road 82.76; Funk & McLean, General Road 25.00; Gifford Serv. Station, General Road 45.28; H. M. Bennett, General Road General Petroleum Corp., General Road 103.52; Cliff McDonald, General Road The Green Grocery, General Road 2.50; Roy Brown, General Road The George Lawrence Co., General Road 41.28; Hermiston Motor Shop, General Road 1.25; Harvester Supply Co., General Road 23.35; Howard Cooper Corp., General Road 85.49; Hartung Auto Co., Walla Walla, General Road 1.00; Jack Allen Supply, General Road 123.48; Kilham Stationery Co., General Road 2.74; Glen Long, General Road Larson Printing Co., General Road 4.50; Milton Hardware Co., General Road 3.00; Oregon Motor Serv., General Road 76.63; Oregon Lumber Yard, General Road 21.35; Oregon State Highway Comm., P.W.A. Proj. No. 1276-F 16.67; Oregon Hardware & Impl. Co., General Road 17.88; Grain Growers, Pendleton, General Road 207.65; Pearson Service, General Road 1.00; Pac. Mach. & Tool Steel Co., General Road 20.10; Perkins Brothers, General Road 266.51; Perkins Petroleum Co., General Road 26.50; Price Ransom Chev. Co., General Road 4.31; Penland Brothers, General Road 10.88; Pac. Power & Light Co., General Road 32.93; Pendleton Drug Co., General Road 3.25; Portland - Pendleton Auto Freight, General Road 2.34; Railway Express Agency, General Road 4.24; Richfield Oil Co., General Road 9.01; State Ind. Acc. Comm., General Road 131.07; Signal Oil Co., General Road 66.24; Simpsons' Auto Electric Serv., General Road 7.47; L. A. Smith, General Road Standard Oil Co., General Road 309.82; Springer Ott Co., General



PRINTING OF THE BETTER KIND

WE ARE FULLY EQUIPPED TO HANDLE YOUR MOST EXACTING JOB. WE OFFER, TOO, A FULL ART SERVICE AND THUS GIVE YOU MATERIAL SUITED TO YOUR NEEDS . . . FOR LESS MONEY. LET US QUOTE ON YOUR NEXT PRINTING JOB.

HERALD OFFICE

Table listing various road payrolls and amounts. Examples include: Road 3.20; A. L. Warnock, General Road Payroll 77.76; The Swender Blue Print Co., General Road 3.13; L. Wolf, General Road Payroll 55.84; Shell Oil Co., General Road 7.54; Thos. Cooney, General Road Payroll 2.83; Taylor Hardware Co., General Road 14.10; F. B. Hayes, General Road Payroll 149.69; The Texas Co., General Road 4.06; Lester Bolin, General Road Payroll 12.96; Thews & Ryder, General Road 7.50; Frank Caverhill, General Road Payroll 3.24; Tum-A-Lum Lumber Co., Hermiston, General Road 5.80; Bud Wagoner, General Road Payroll 3.24; Teague Motor Co., General Road 9.98; E. C. Myrick, General Road Payroll 93.40; Tum-A-Lum Lumber Co., Freewater, General Road 11.41; Chas. Reimann, General Road Payroll 77.76; Union Oil Co., General Road 106.27; L. G. Fullerton, General Road Payroll 128.15; Van Petten Lumber Co., General Road 10.14; C. Hutson, General Road Payroll 78.60; L. E. Williams, General Road 3.00; Walt Picard, General Road Payroll 95.76; Akers Serv. Station, General Road 5.35; Al Moody, General Road Payroll 97.15; Central Welding Works, General Road 2.73; E. L. Stephens, General Road Payroll 93.85; Connor's Repair Shop, General Road 3.20; John Henry, General Road Payroll 69.12; Pac. Tel. Co., General Road Tommy Bond, General Road 149.69; F. M. Hanson, General Road Payroll 49.33; Chas. Williams, General Road Payroll 105.06; John Eichner, General Road Payroll 77.32; R. R. Bond, General Road 71.43; E. H. Hargett, General Road Payroll 81.65; S. Fullerton, General Road 113.62; Dick Bush, General Road Payroll 55.08; Lyle Potter, General Road Payroll 111.17; Percy Sweet, General Road Payroll 98.43; C. H. Wheeler, General Road 86.81; John Barnes, General Road Payroll 118.81; Dode Farrell, General Road 89.56; C. O. Pederson, General Road Payroll 61.56; W. J. Helmick, General Road 16.20; Joe Picard, General Road Payroll 97.17; E. Blanchett, General Road 36.95; Herb Caldwell, General Road Payroll 87.90; Steve Borich, General Road Payroll 32.40; L. McIntyre, General Road Payroll 99.69; John Toomay, General Road Payroll 48.20; Neil Devore, General Road Payroll 101.59; Ralph Moody, General Road Payroll 56.16; R. J. Wheeler, General Road Payroll 134.69; Pete Shaver, General Road 99.69; W. F. Brown, General Road Payroll 184.69; K. Dickenson, General Road 14.59; E. S. Fox, General Road Payroll 95.73; Road Payroll 74.19; D. Fullerton, General Road Payroll 89.02; Cliff McDonald, General Road 97.17; F. T. Burke, General Road Payroll 74.92; Roy Brown, General Road Payroll 43.15; H. Schuening, General Road Payroll 74.92; Gail Alspach, General Road Payroll 59.37; Frank Krebs, General Road Payroll 84.10; F. L. Hodgen, General Road Payroll 60.00; Ben Wertz, General Road Payroll 63.54; H. Magruder, General Road Payroll 19.84; S. P. Westervelt, General Road Payroll 25.23; Frank Taylor, General Road Payroll 98.07; H. Alderman, General Road 38.86; E. L. Stephens, General Road Payroll 35.00; N. Jamison, General Road Payroll 19.63; Foster Motor Co., General Road Payroll 80.05; Fred Grove, General Road Payroll 8.91; Pac. Tel. & Tel. Co., General Road 31.53

The Easiest Way to Fill Your Needs

NO FURTHER THAN YOUR PHONE IS THE SIMPLEST WAY TO ADVERTISE FOR THOSE THINGS YOU NEED AND ARE HARD TO LOCATE. OUR CLASSIFIED COLUMNS OFFER YOU THE LEAST EXPENSIVE SERVICE YOU CAN BUY. GIVE THEM A TRIAL . . . CALL 51 - The Herald

