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BRIGHT



VOLUME



TREBLE



MIDDLE



BASS

Rock Hardware

The Instruments, Equipment and Technology of Rock / Edited by Tony Ba

harder ebony; the neck of an acoustic guitar is most usually made of mahogany, with some cheaper instruments making use of maple. Less expensive instruments often have a laminated wood top, which does not develop the "aged" sound quality of solid-topped (and therefore more desirable) guitars.

Variations on these general guidelines do occur. Some makers have produced guitars from unusual or exotic woods, and these are usually expensive, or else they are from families of wood offering much the same qualities as the commoner types referred to above. The Daion acoustics, for example, recent products of Japan, feature *ovoncol* sides and back, and a *nato* neck.

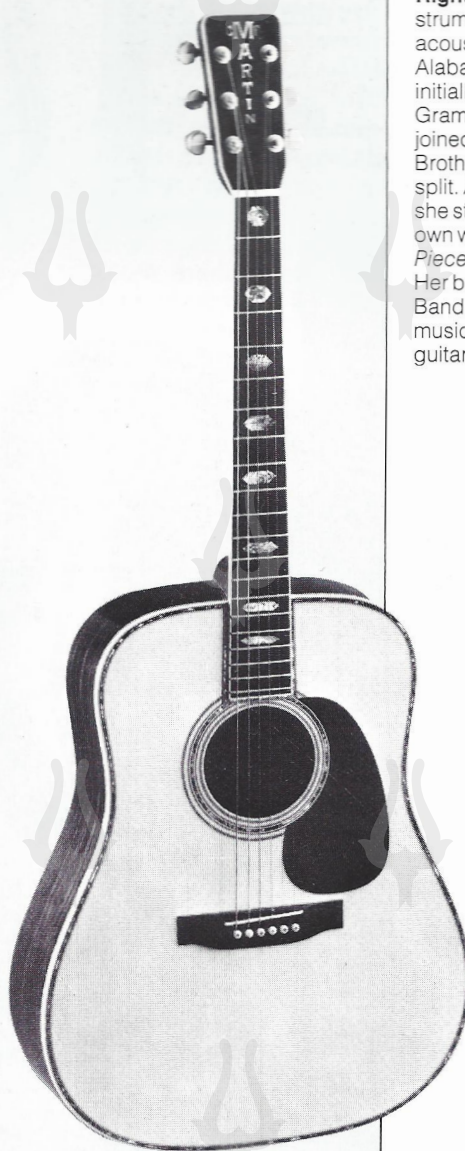
Martin

The Martin Guitar Company was founded soon after Christian Frederick Martin emigrated to New York from Germany in 1833, moving to its present home in Nazareth, Pennsylvania in 1839. A few steel-strung acoustic guitars were made by the company as early as 1900, but these were one-off specials, not production models. Steel strings first appeared as a regular feature on the Martin 2-17, which was redesigned to take the strings in 1922. By the late 1920s, most models were available braced for steel strings, and in the mid-1940s the bracing design was strengthened to allow for heavier strings still.

Martin's famous Dreadnought model, named after the British battleship of the time and



Above Christian Frederick Martin (1796-1873), founder of C. F. Martin & Co, the top American manufacturer of acoustic guitars. The family company has produced many types and variations of guitar, and is renowned as the inventor of the Dreadnought-style acoustic, designed by F. H. Martin and Harry L. Hunt. Two of the popular Martin types are the D-0018 (*right*) first introduced in 1935 and the D45 (*far right*) introduced in 1938.



Right Emmylou Harris strums a big Gibson J200 acoustic guitar. Born in Alabama in 1947, Harris initially collaborated with Gram Parsons and almost joined the Flying Burrito Brothers just before they split. After Parsons' death she started recording her own work, beginning with *Pieces Of The Sky* in 1975. Her backing group, the Hot Band, has included musicians of the caliber of guitarist Albert Lee.

SELECTED MANUFACTURERS

ACOUSTIC

Acoustic Control Corporation, 7949 Woodley Avenue, Van Nuys, Ca 91406, USA.

AGFA-GEVAERT

Agfa-Gevaert AG, Kaiser Wilhelm Allee, D-5090 Leverkusen-Bayerwerk, West Germany.

Agfa-Gevaert Ltd, Great West Road, Brentford, Middlesex, UK.

Agfa-Gevaert Inc, 275 North Street, Teterboro, NJ 07608, USA.

AKG

AKG GmbH, Brunhildengasse 1, A-1150 Vienna, Austria.

AKG Acoustics Ltd, 191 The Vale, London W3 7QS, UK.

AKG Acoustics Inc, 77 Selleck Street, Stamford, CT 06902, USA.

ALEMBIC

Alembic Guitars, 45 Foley Street, Santa Rosa, Ca 95401, USA.

ALLEN & HEATH BRENELL

Allen & Heath Brenell Ltd, Pembroke House, Campsbourne Road, London N8, UK.

Audio Marketing, 652 Glenbrook Road, Conn 06906, USA.

ALTEC LANSING

Altec Corporation, 1515 South Manchester Avenue, Anaheim, Ca 92806, USA.

Theatre Projects Sound Ltd, 10 Long Acre, London WC2 9LN, UK.

AMPEG

The Ampeg Company, Box 310, Elkhart, IN 46515, USA.

AMPEX

Ampex Corporation, 401 Broadway, Redwood City, Ca 94063, USA.

Ampex GB Ltd, Acre Road, Reading RG2 0QR, UK.

ARIA

Aria & Co Inc, 41 1-chome, Kandacho, Chikusaku, Nagoya, Japan.
Gigsville, South Drive, Phoenix Way, Heston, Middlesex TW5 9ND, UK.

Aria Music (USA) Inc, 1201 John Reed Court, City of Industry, Ca 91745, USA.

Music Distributors Inc, 3400 Darby Avenue, Charlotte, NC 28216, USA.

ARP

Arp Instruments Inc, 45 Hartwell Avenue, Lexington, Mass 02173, USA.

London Synthesiser Centre, 22 Charlton Street, London W1, UK.

BALDWIN

Baldwin Piano & Organ Co, 1801 Gilbert Avenue, Cincinnati, OH 45202, USA.

Baldwin (UK) Ltd, Unit 4, Sterling Industrial Estate, Rainham Road South, Dagenham, Essex, UK.

ERNIE BALL

Ernie Ball, Box 217, Newport Beach, Ca 92663, USA.

Strings and Things Ltd, Unit 2, Chapel Road, Portslade, Brighton, Sussex BN4 1PF, UK.

BARCUS-BERRY

Barcus-Berry Inc, 15461 Springdale Street, Huntington Beach, Ca 92649, USA.

BASF

BASF Aktiengesellschaft, Carl Bosch Strasse 38, D-6700 Ludwigshafen am Rhein, West Germany.

BASF (UK) Ltd, Haddon House, 2-4 Fitzroy Street, London W1F 5AD, UK.

BASF Systems Inc, Crosly Drive, Bedford, Mass 01730, USA.

BECHSTEIN

Bechstein Pianofortefabrik GmbH, Reichenbergerstrasse 124, D-1000 Berlin 36, West Germany.

BEYER

Beyer Dynamic, PO Box 1320, D-7100 Heilbronn, West Germany.

Beyer Dynamic (GB) Ltd, 1 Clair Road, Haywards Heath, Sussex RH16 3DP, UK.

Burns Audiotronics Inc, 505 Burns Avenue, Hicksville, NY 11801, USA.

BOSE

Bose Corporation, 100 The Mountain Road, Framingham, Mass 01701, USA.

Bose (UK) Ltd, Sittingbourne Industrial Park, Crown Quay Lane, Sittingbourne, Kent, UK.

BOSENDORFER

Bösendorfer Klavierfabrik AG, Bösendorferstrasse 12, AS-1010 Vienna, Austria.

Bösendorfer Pianos Ltd, 38 Wigmore Street, London W1, UK.

Kimball International Inc, 1549 Regal Street, Jasper, IN 47546, USA.

BOSS as ROLAND

BURMAN

Burman Amplification, Handyside Arcade, Percy Street, Newcastle-upon-Tyne, Tyne and Wear NE1 4PZ, UK.

Burman Amplification (USA) Inc, PO Box 463, Gracie, New York, NY 10028, USA.

BURNS

Actualisers Ltd, Padnal Road, Littleport, Ely, Cambs, UK.

CARLSBRO

Carlsbro Sound Equipment, Cross Drive, Lowmoor Road Industrial Estate, Kirkby-in-Ashfield, Nottinghamshire, UK.

CASIOTONE

Casio Computer Co Ltd, 2-6-1 Nishishin Juku, Shinjuku-ku, Tokyo 160, Japan.

Casio Electronics, 28 Scrutton Street, London EC2, UK.

Casio Inc, 15 Gardner Road, Fairfield, NJ 07006, USA.

PETER COOK

Peter Cook Guitars, 17 Perimead Road, Perivale, Greenford, Middlesex, UK.

PETE CORNISH

Cornish Musical Accessories, 38 Long Acre, London WC2, UK.

COURT ACOUSTICS

Court Acoustics, 35-39 Britannia Row, London N1 8QH, UK.

CROWN/AMCRON

Crown International Inc, 1718 West Mishawaka Road, Elkhart, IN 46514, USA.

HHB, Unit F, New Crescent Works, Nicoll Road, London NW10 9AX, UK.

CRUMAR

Crumar SpA, PO Box 98, I-60022, Castelfidardo, Italy.

Trevor Daniels, 49 Potters Lane, Kiln Farm, Milton Keynes, Bletchley, Bucks, UK.

Music Technology Inc, 105 Fifth Avenue, Garden City Park, NY 11040, USA.

CUSTOM SOUND

Custom Sound Ltd, Custom House, Arthur Street, Oswestry, Salop ST11 1JN, UK.

DAION

Daion Co Ltd, 3-5-20 Motomachi, Naniwa-ku, Osaka 556, Japan.

Rosetti Ltd, 138-140 Old Street, London EC1, UK.

MCI Inc, 7400 Imperial Drive, Waco, TX 76710, USA.

DIMARZIO

DiMarzio Musical Instrument Pickups Inc, 1388 Richmond Terrace, Staten Island, NY 10301, USA.

Rose-Morris & Co Ltd, 32-34 Gordon House Road, London NW5 1NE, UK.

DOD

Dod Electronics Corporation, 242 West 2950 South, Salt Lake City, UT 84115, USA.

Strings and Things, Unit 2, Chapel Road, Portslade, Brighton BN4 1PF, UK.

DOLBY

Dolby Laboratories Inc, 346 Clapham Road, London SW9, UK.

Dolby Laboratories Inc, 731 Sansome Street, San Francisco, Ca 94111, USA.

SEYMOUR DUNCAN

Seymour Duncan Pickups, Box 4746-H, Santa Barbara, Ca 93103, USA.

Doug Chandler, 199 Sandycombe Road, Kew, Richmond, Surrey, UK.

DYNACORD

Dynacord Electronic GmbH, Siemensstrasse 41-43, D-8440 Strubing, West Germany.

Dynacord Electronics, PO Box 26038, Philadelphia, Penn 19128, USA.