

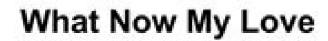


SPANISH FLEA



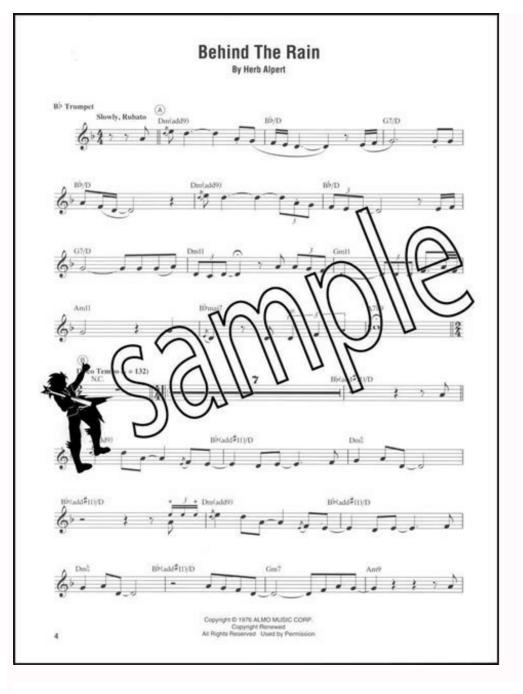
Low resolution sample

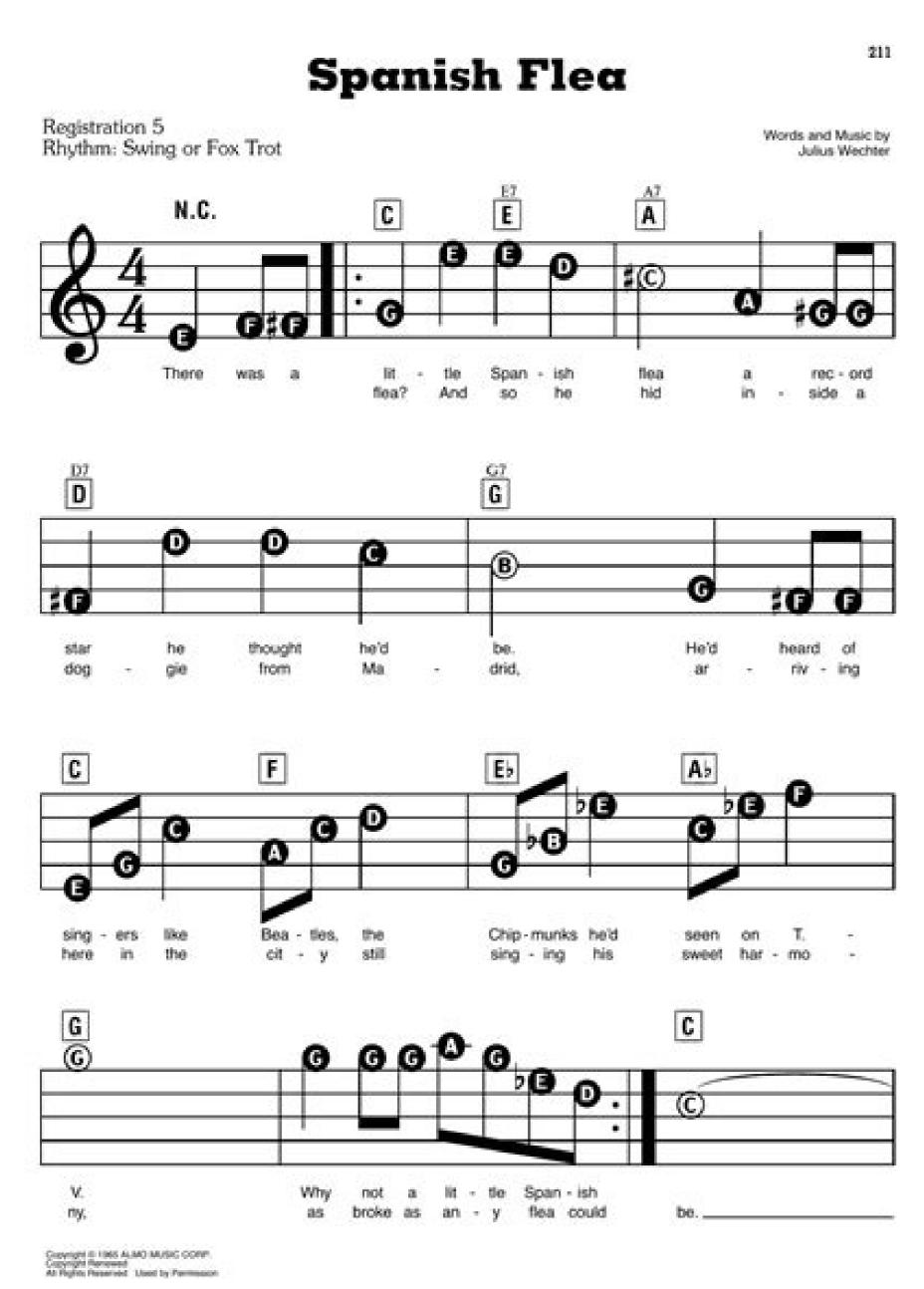
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(Original French Title: "Et Maintenant") Original French Lyric by Pierre Delano Music by Francois Becaud







Archived from the original on 2016-05-09. Sometimes I must sound like a broken record, but repeating and teaching the kids consistency and how to ^ Scientific American. Archived from the original on 2016-04-08. With a record one can place the stylus a few grooves farther in or out, accelerate or decelerate the turntable, or even reverse its direction, provided the stylus, record player, and record itself are built to withstand it. "ShowMarket to Focus on Development of Latin Music". ^ Scholes, plate 73. Archived from the original on 2016-03-10. Das ersparte zwei Zwischenkopien im Produktionsablauf, was nicht nur schneller ging, sondern auch zu einer erheblich besseren Qualität führte. In an attempt to head off the disc advantage, Edison introduced the Amberol cylinder in 1909, with a maximum playing time of 4+1/2 minutes (at 80 rpm), which had a playing surface made of celluloid, a plastic, which was far less fragile. Hits by other groups included Johnny Colón's "Boogaloo Blues", Pete Rodríguez's "I Like It like That"(1967).[38] 1970s Salsa music became the dominant genre of tropical music in the 1970s. Brilliance such as this compensated for dullness in many early magnetic pickups having drooping midrange and treble response. ^ Pakenham, Compton (1930), "Recorded Music: A Wide Range". This is the origin of the phrase "like a broken record" or "like a scratched record", which is often used to describe a person or thing that continually repeats itself. [84] Locked grooves are not uncommon and were even heard occasionally in radio broadcasts. The latter can be reduced somewhat by cleaning the record before playback, "RIAA Mid-Year 2017 Music Industry Revenue Report". You're Reading a Free Preview Pages 738 to 791 are not shown in this preview. (eds.). Where old disc recordings are considered to be of artistic or historic interest, from before the era of tape or where no tape master exists, archivists play back the disc on suitable equipment and record the result, typically onto a digital format, which can be copied and manipulated to remove analog flaws without any further damage to the source recording, which developed as early radio became popular (1925), benefited from the microphones and amplifiers used in radio studios. ^ Powell, John (2005). You're Reading a Free Preview Pages 1473 to 1594 are not shown in this preview. Preservation 45 rpm records, like this single from 1956, usually had a chosen A-side, for radio promotion as a possible hit, with a flip side or B-side by the same artist—though some had two A-sides. In 1957 the first commercial stereo two-channel records were issued first by Audio Fidelity followed by a translucent blue vinyl on Bel Canto Records, the first of which was a multi-colored-vinyl sampler featuring A Stereo Tour of Los Angeles narrated by Jack Wagner on one side, and a collection of tracks from various Bel Canto albums on the back.[61] Following in 1958, more stereo LP releases were offered by Audio Fidelity Records in the US and Pye Records in Britain. Standard practice for LPs was to place the LP in a paper or plastic inner cover. Archived from the original on 2016-01-25. Vertical stylus motion carries the L + R summed signal, the latter representing the monophonic component of the signal in exactly the same manner as a purely monophonic record. [citation needed] The advantages of the 45/45 system as compared to alternative systems were: complete compatibility with monophonic playback systems. Minneapolis: University of Minnesota Press. p. 690. They were also listened to by a growing number of audiophiles. By convention, the inner wall carries the left-hand channel and the outer wall carries the right-hand channel. Columbia disclosed a recording characteristic showing that it was like the NAB curve in the treble, but had more bass boost or pre-emphasis below 200 Hz. The authors disclosed electrical network characteristics for the Columbia LP curve. Auch ohne den Einsatz eines entsprechenden UC-Expanders bleiben durch das »fließende« Verfahren die Ein- und Ausklingvorgänge in ihrer Homogenität und auch die Raumabbildung der Tonaufzeichnung weitestgehend erhalten. MN2S. From the mid-1950s through the 1960s, in the U.S. the common home record player or "stereo" (after the introduction of stereo recording) would typically have had these features: a three- or four-speed player (78, 45, 33+1/3, and sometimes 16+2/3 rpm); with changer, a tall spindle that would hold several records and automatically drop a new record on top of the previous one when it had finished playing, a combination cartridge with both 78 and microgroove styli and a way to flip between the two; and some kind of adapter for playing the 45s with their larger center hole. ISBN 978-1-4668-1923-8. 89. "CX Discs: Better, Worse & the Same as a normal record". These revolutionary discs were designed for playback at 33+1/3 rpm and pressed on a 30 cm diameter flexible plastic disc, with a duration of about ten minutes playing time per side. However, the exact speed differed between places with alternating current electricity supply at 60 Hz, the actual speed was 78.26 rpm: that of a 60 Hz stroboscope illuminating 92-bar calibration markings. (2008). Williams, Trevor I. Spanias, Andreas; Painter, Ted; Atti, Venkatraman (2007). Vermutlich aus diesem Grund hat man auf eine weithin sichtbare Kennzeichnung der mit diesem Verfahren aufgenommenen Platten verzichtet. "Do vinyl LPs wear out? Eventually, they were replaced by the three-speed record player. Despite these innovations, shellac continued to be used for the overwhelming majority of commercial 78 rpm records throughout the format's lifetime. This became known as the salsa romantica era.[43] 1990s Bolero music saw a resurgence of popularity with the younger audience. p. 61. Later, Decca Records introduced vinyl Deccalite 78s, while other record companies used vinyl formulations trademarked as Metrolite, Merco Plastic, and Sav-o-flex, but these were mainly used to produce "unbreakable" children's records and special thin vinyl DJ pressings for shipment to radio stations. [29] 78 rpm disc sizes In the 1890s, the diameter of the earliest (toy) discs was generally 12.5 cm (nominally 5 inches). In this way, several million vinyl discs can be produced from a single lacquer sound disc. Archived from the original on 2011-11-02. Retrieved 2014-11-10. Sometimes the cutting engineer might add handwritten comments or their signature, if they are particularly pleased with the quality of the cut. Retrieved 2021-10-04. Santa Barbara, California: ABC-CLIO. When only a few hundred discs are required, instead of electroforming a "son" (for each side), the "father" is removed of its silver and converted into a stamper. The "mothers" are then used as mandrels for electroforming more negative discs known as "sons". NBC News. Dust and scratches cause audio clicks and pops. Candelaria, Cordelia; García, Peter J.; Aldama, Arturo J. Tape recording with condenser microphones became a long used standard operating procedure in mastering lacquer-aluminium cuts. This introduces noise into the record, particularly in the lower frequency range. Archived (PDF) from the original on 2016-06-23. They are neither muted nor exaggerated nor exaggerate Books.google.com. Western Electric's innovations resulted in a broader and smoother frequency response, which produced a dramatically fuller, clearer and more natural-sounding recording. For this reason, many stereo receivers contained a switchable subsonic filter. Cubanacan, San Juan P.R. p317-322. Miz.org. Manufacturing processes are identical regardless of weight. All das geschah so vorsichtig, dass man die Platte auch ohne Expander bei der Wiedergabe noch genussvoll anhören konnte. Formulas for the mixture varied by manufacturer over time, but it was typically about one-third shellac and two-thirds mineral filler (finely pulverized slate or limestone), with cotton fibers to add tensile strength, carbon black for color (without which it tended to be an unattractive "dirty" gray or brown color), and a very small amount of a lubricant to facilitate release from the manufacturing press. Latinos; Remaking America, EMI cut the first stereo test discs using the system in 1933 (see Bell Labs Stereo Experiments of 1933) although the system was not exploited commercially until much later. 400 Hz calibration tone [1:00]. If played back on a mono subwoofer system, the noise will cancel, significantly reducing the amount of rumble that is reproduced. Track list: Side A: Philharmonia Hungarica (Zoltan Rozsnyai): 1. Fusion. Archived 2013-05-10 at the Wayback Machine Front page When auto-changing turntables were commonplace, records were typically pressed with a raised (or ridged) outer edge and a raised label area, allowing records to be stacked onto each other without the delicate grooves coming into contact, reducing the risk of damage. These are generally referred to as "run-out etchings". New York: Facts On File You're Reading a Free Preview Pages 1765 to 1870 are not shown in this preview. The U.S. record industry defines Latin music as simply any release with lyrics that are mostly in Spanish. p. 72. How Long Can You Store CDs and DVDs and Use Them Again?". Carson, A. Archived from the original on 2009-03-19. "Vinyl Video". The artists who sell most ar usually older artists and records. (comment - bad Swedish in original text is reflected and translated) Most sold in this year (=2016) was David Bowie's last record, Black-star. Even drums, if planned and placed properly, could be effectively recorded and heard on even the earliest jazz and military band recordings. "Saturday: Sounds Like a Broken Record". ^ a b c (Book), "Frank Sinatra: The Columbia Years:1943-1952: The Complete Recordings", unnumbered at back, pp. 12, 14, 15. In Ruiz, Vicki L.; Sánchez Korrol, Virginia (eds.). 20 November 2019. Another problem with shellac was that the size of the disks tended to be larger because it was limited to 80-100 groove walls per inch before the risk of groove collapse became too high, whereas vinyl could have up to 260 groove walls per inch, [82][83] By the time World War II began, major labels were experimenting with laminated records. 2015. Archived from the original on 2008-03-15. "You Can Thank Emil Berliner for the Shape Your Record Collection Is In". ^ a b c "The 45 Adaptor". 194. A German product introduced in 1937, these flexible all-plastic discs were a European alternative to rigid-based lacquer (acetate) discs. Durium records continued to be made in the UK and as late as 1950 in Italy, where the name "Durium" survived into the LP era as a brand of vinyl records. Compact disc liner notes. Westport, CT: Greenwood Press. ^ Bayly, Ernie (February 1976). Retrieved 14 February 2020. The 45s released by RCA in March 1949 were in seven different colors of vinyl depending on the type of music recorded: blues, country, popular, etc. O. This development was neither a widespread success nor long lasting. ^ Hohmuth, Gerhard (1987). London: Telegraph.co.uk. Zur richtigen Einstellung des Programmes benötigen Sie eine Schallplatte, auf der ein Bezugspegelton aufgezeichnet ist, wie das bei den, dem Plattenspieler beiliegenen, Testplatten der Fall war. Johnson eventually improved it. Even an acoustic recording played back electrically on modern equipment sounds like it was recorded through a horn, notwithstanding a reduction in distortion because of the modern playback. Vol. 91, no. 44. Archived (PDF) from the original on 2015-12-22. Penndorf, Ron. ISBN 978-0-13-193073-5. In the United States, annual vinyl sales increased by 85.8% between 2006 and 2007, although starting from a low base, [110] and by 89% between 2007 and 2008. [111] However, sales increases have moderated over recent years falling to less than 10% during 2017.[112] Many electronic dance music and hip hop releases today are still preferred on vinyl; however, digital copies are still widely available. Archived (PDF) from the original on 2017-02-15. RCA Victor and Columbia were in a market war concerning which recorded format was going to win: the Columbia LP versus the RCA Victor 45 rpm disc (released in February 1949). ^ Edwards, Bob (September 13, 2000). Trots att allt fler vinylskivor säljs är det dock bara en väldigt liten del av skivförsäljningen. Together with "Guantanamera", it is arguably the most famous piece of music created by a Cuban musician.[31] "The Peanut Vendor" has been recorded more than 160 times,[32] sold over a million copies of the sheet music, and was the first million-selling 78 rpm single of Cuban music. Retrieved March 9, 2017. Lillian Hardin Armstrong, a member of King Oliver's Creole Jazz Band, which recorded at Gennett Records in 1923, remembered that at first Oliver and his young second trumpet, Louis Armstrong, stood next to each other and Oliver's horn could not be heard. Retrieved May 19, 2017. ^ a b "ARIA releases wholesale figures for 2011" (PDF). Later, the special half-speed cutting heads and equalization techniques were employed to get wider frequency response in stereo with reduced distortion and greater headroom.) Noise reduction systems The mid-1970s saw the introduction of dbx-encoded records labelled "dbx disc" for the audiophile niche market. Retrieved 2015-12-16. Early examples of boogaloo were 1966 music by Richie Ray and Bobby Cruz. The only[68] UC expander was built into a turntable manufactured by Phonotechnik Pirna/Zittau[69] in limited quantities around 1989. Victor, Brunswick and Columbia also issued 12-inch popular medleys, usually spotlighting a Broadway show score. In 1903 HMV in England made the first complete recording of an opera, Verdi's Ernani, on 40 single-sided discs.[38] In 1940, Commodore released Eddie Condon and his Band's recording of "A Good Man Is Hard to Find" in four parts, issued on both sides of two 12-inch 78s. Outside electrical interference may be amplified by the magnetic cartridge. Has pictures of a VEB Phonotechnik Pirna/Zittau Ziphona HMK-PA2223, a tangential arm direct drive turntable with built-in UC expander, with the frontpanel showing a "UC" logo (for "Universal Compander").) ^ "Bulletin E 3: Standards for Stereophonic Disc Records". Sales of records plummeted precipitously during the early foundered. These albums came in both 10-inch and 12-inch sizes. [...] Sound of extraordinary dynamic range—a background free from surface noise, pops, clicks, rumble, and groove echo—the mightiest crescendo, free from distortion. Breakage was very common in the shellac era. ISBN 0-8130-1317-8. "Why singles are top of the pops again". "After Birthing Pains, Latin Grammys Should Grow Strong". Certain 45 rpm RCA or RCA Victor Red Seal records used red translucent vinyl for extra "Red Seal" effect, digital sound argument). At first, the discs were commonly made from shellac, with earlier records having a fine abrasive filler mixed in, Tonearm skating forces and other perturbations are also picked up by the stylus. Also around 1953, Bell Records released a series of budget-priced plastic 7-inch 78 rpm pop music singles.[citation needed] In 1968, Reprise planned to release a series of 78 rpm singles from their artists on their label at the time, called the Reprise Speed Series. Lusophone Africa: Beyond Independence. High frequency hiss is generated as the stylus rubs against the vinyl, and dirt and dust on the vinyl produces popping and ticking sounds. Vol. 97, no. 4. 205. July 10, 1993. Gramophone sound includes rumble, which is low-frequency (below about 30 Hz) mechanical noise generated by the motor bearings and picked up by the stylus. "New Music Machine Thrills All Hearers At First Test Here". pp. 89-90. Archived from the original on 2016-04-27. First the distributors began charging retailers more for new product if they returned unsold vinyl, and then they stopped providing any credit at all for returns. These techniques, marketed, to name two, as the CBS DisComputer and Teldec Direct Metal Mastering, were used to reduce inner-groove distortion. Retrieved 2014-12-20. {{cite web}}: CS1 maint: archived copy as title (link) ^ "Archived copy". ISBN 978-0-634-05833-2. As video recorder technology improved it became possible to modify them and use analogue to digital converters (codecs) for digital sound recording. History of equalization In 1926 Joseph P. Latin musicNative nameMúsica latinaStylistic originsLatin American musicSpanish musicPortuguese musicCultural originsEarly 1900s, United StatesDerivative formsLatin jazzLatin popLatin R&BLatin rockLatin music (Portuguese and Spanish: música latina) is a term used by the music industry as a catch-all arbitrary category for various styles of music from Latin America, Spain, Portugal, and the United States inspired by older Latin American, Spanish or Portuguese music genres, as well as music sung in the Spanish singer Julio Iglesias was recognized by the Guinness World Records in 2013 as the best-selling male Latin artist of all time.[8] Because the majority of Latino immigrants living in New York City in the 1950s were of Puerto Rican or Cuban descent, "Latin music" had been stereotyped as music simply originating from the Spanish Caribbean. ^ "Apollo Masters lacquer record discs". Encyclopedia of North American immigration. There is controversy about the relative quality of CD sound and LP sound when the latter is heard under the very best conditions (see Analog vs. ^ Bob Evans (1999-11-08). The practice of issuing albums was not adopted by other record companies for many years. The sales in 1991. Retrieved September 8, 2015. With direct metal mastering (DMM), the master disc is cut on a copper-coated disc, which can also have a minor "orange peel" effect on the disc itself. The World of DJs and the Turntable Culture. A number of 78 rpm record producers as well as early LP makers also cut their records to the NAB/NARTB lateral standard. Over the years a variety of record equalization practices emerged and there was no industry standard. 78 rpm disc developments Hungarian Pathé record, 90 to 100 rpm, and a variety of sizes. For example, in Europe recordings for years required playback with a bass turnover setting of 250-300 Hz and a treble roll-off at 10,000 Hz ranging from 0 to -5 dB or more. Further, even after officially agreeing to implement the RIAA equalization even well into the 1970s. This series came in heavy manilla envelopes and began with a jazz album AP-1 and was soon followed by other AP numbers up through about AP-19. ^ Taylor, Matthew "Mat" (2018-09-17). Thin, flexible plastic records appeared around 1930, but not for long. This was before magnetic tape was commonly employed for mastering. The sound is encoded by fine variations in the edges of the groove that cause a stylus (needle) placed in it to vibrate at acoustic frequencies when the disc is rotated at the correct speed. we have talked about this before, year in and year out ^ Jessica Lyngaas (2016). Virgin vinyl means that the album is not from recycled plastic, and will theoretically be devoid of these impurities.[citation needed] The "orange peel" effect on vinyl records is caused by worn molds. Archived April 3, 2005, at the Wayback Machine ^ "Paul Whiteman and his Orchestra". Sams. This common fault of noise-reduction systems has been eliminated in High-Com II. It had co-existed with the phonograph cylinder from the late 1880s and had effectively superseded it by around 1912. ^ Obejas, Achy (April 4, 1999). The Latin beat: The Rhythms and Roots of Latin music From Bossa Nova to Salsa and Beyond (1. The pressing count can increase if the stamper holds out and the quality of the vinyl is high. By 1919, the basic patents for the manufacture of lateralcut disc records had expired, opening the field for countless companies to produce them. Encyclopedia Latina: history, culture, and society in the United States. The older 78 rpm format continued to be mass-produced alongside the newer formats using new materials in decreasing numbers until the summer of 1958 in the U.S., and in a few countries, such as the Philippines and India (both countries issued recordings by the Beatles on 78s), into the late 1960s. The phonograph disc record was the primary medium used for music reproduction throughout the 20th century. There were also a couple of longer-playing records issued on ARC (for release on their Banner, Perfect, and Oriole labels) and on the Crown label. Vinyl Lexikon - Wahrheit und Legende der Schallplatte - Fachbegriffe, Sammlerlatein und Praxistips (in German) (1 ed.). ISBN 978-0-14-311928-9. Because it ran 7m 57s, longer than both sides of a standard 78 rpm 10-inch record, it was released on Columbia's Masterwork label (the classical division) as two sides of a 12-inch record.[39] The same was true of John Raitt's performance of the song on the original cast album of Carousel, which had been issued on a 78-rpm album set by American Decca in 1945. Still, it continued to suffer from a variety of limitations: The stereo image was not made up of fully discrete Left and Right channels; each channel's signal coming out of the cartridge contained a small amount of the signal from the other channel, with more crosstalk at higher frequencies. Some records are pressed on colored vinyl or with paper pictures embedded in them ("picture discs"). LIFE. Subsequent plays of the same record do not have pops in the same places in the music as the static buildup isn't tied to variations in the groove. ^ Don't Call It Vinyl Cutting. Vol. 98, no. 44. Brahms (Hungarian Dance No. 5) [4:30] 4. Archived from the original on 22 September 2020. Reiskind, RCA Review, June 1949 "Recording Technology History: notes revised July 6, 2005, by Steven Schoenherr", San Diego University (archived 2010) External links Wikimedia Commons has media related to Gramophone records. Archived from the original on 2012-08-05. "Mexican Quartet Captures Top OTI Prize". My Pulse, His Will: Tragedy to Triumph That Echoed Her Faith. pp. 592-595. Archived from the original on 2017-06-22. The tinfoil was wrapped around a grooved metal cylinder and a sound-vibrated stylus indented the tinfoil while the cylinder was rotated. It was even later when some Asian recording labels adopted the RIAA standard. Nelch, Walter L.; Burt, Leah (1994). Archived from the original on 2015-12-26. In 2014, the sale of vinyl records was the only physical music medium with increasing sales with relation to the previous year. ISBN 978-0-415-96101-1. ^ A photograph of the Gennett Records studio is available."Archived copy". Both of these high quality microphones became widespread in motion picture, radio, recording, and public address applications. Some pictures of acoustic recording sessions show horns wrapped with tape to help mute these resonances. Another reason for very low frequency material can be a warped disk: its undulations produce frequencies of only a few hertz and present day amplifiers have large power bandwidths. The German reunification put an end to the further introduction of the system in 1990. "What's what in the platter battle". For music from Latin America, see Music of Latin America. There were acoustic limitations due to mechanical resonances in both the recording and playback system. New York: Oxford University Press. ^ "Spotify and streaming services are breaking cultural music on a worldwide stage". Retrieved 2016-04-10. The early electric recordings were reminiscent tonally of acoustic recordings, except there was more recorded bass and treble as well as delicate sounds and overtones cut on the records. Many mothers can be grown on a single "father" before ridges deteriorate beyond effective use. Upper Saddle River, NJ: Pearson Prentice Hall. Vol. 117, no. 21. ^ "2012 Top 10 Selling Vinyl Albums, Vinyl Sales Rise In The U.S. And UK - hypebot". New York: Billboard Publishing Co. p. 67. Techmoan. You're Reading a Free Preview Pages 2004 to 2060 are not shown in this preview. In this model, High-Com II Demonstration Record (A limited edition not-for-sale High Com II encoded audiophile vinyl record and corresponding leaflet. Boston Pops conductor Arthur Fiedler demonstrating the new RCA Victor 45 rpm player and record in February 1949 Unwilling to accept and license Columbia's system, in February 1949, RCA Victor released the first 45 rpm single, 7 inches in diameter with a large center hole. Sizes of records in the United States and the UK are generally measured in inches, e.g. 7-inch records, which are generally 45 rpm records. Records retained the largest market share even when new formats such as the compact cassette were mass-marketed. Retrieved August 1, 2016. 1968-11-23. "Early Development of the LP". This negative impression disc (having ridges in place of grooves) is known as a nickel master, "matrix" or "father". The recommended stylus for CD-4 as well as regular stereo records was a line contact or Shibata type. The new machine has a range of from 100 to 5,000 [cycles per second], or five and a half octaves ... Lacquer cuts result in an immediately playable, or processable, master record. Retrieved 2014-12-20. {{cite web}}: CS1 maint: archived copy as title (link) ^ "一般社団法人 日本レコード協会" (PDF). A macro photo of the innermost part of the groove of a vinyl record. This sophisticated technique assumes maximum dynamic range with minimum "breathing" and other audible side effects. ISBN 978-0-8166-6983-7. In

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this system, each of two stereo channels is carried independently by a separate groove wall, each wall face moving at 45 degrees to the plane of that channel. "NARAS Takes A Welcome Step". Archived from the original on 2016-04-26. Written at Dresden
Germany. pp. 4, 71. ^ Rick Kennedy, Jelly Roll, Bix, and Hoagy: Gennett Studios and the Birth of Recorded Jazz, Bloomington and Indianapolis: Indiana University Press, 1994, pp. ^ "Hoy Tengo Ganas De Ti [feat. ISBN 978-0-471-79147-8. Less abrasive formulations were developed during its waning years and very late examples in like-new condition."
can have noise levels as low as vinyl.[citation needed] Flexible, "unbreakable" alternatives to shellac were introduced by several manufacturers during the 78 rpm era. Precisely because of this mechanism, most automatic turntables are incapable of playing any audio in the lock groove, since they will lift the arm before it reaches that groove. This flaw
causes a grinding or scratching sound at the non-fill point.[citation needed] Since most vinyl records contain up to 30% recycled vinyl, impurities can accumulate in the record and cause even a brand-new record to have audio artifacts such as clicks and pops. "Disc Recording and Playback". With low frequencies, the stylus must swing a long way from
side to side, requiring the groove to be wide, taking up more space and limiting the playing time of the record. p. 176. Anyone can do this using a standard record player with a suitable pickup, a phono-preamp (pre-amplifier) and a typical personal computer. Its first public demonstration was front-page news in The New York Times, which reported:
The audience broke into applause ... ^ "Sonic Science: The High-Frequency Hearing Test". ^ "Record Collectors Guild on Dynaflex". ^ Guillaume Champeau. Some subsonic content is directly out of phase in each channel. Archived from the original on 2016-05-11. The "sons" are then converted into "stampers" by center-punching a spindle hole
(which was lost from the lacquer sound disc during initial electroforming of the "father"), and by custom-forming the target pressing profile. Cut "wax" sound discs would be placed in a vacuum chamber and gold-sputtered to make them electrically conductive for use as mandrels in an electroforming bath, where pressing stamper parts were made.
High fidelity Further information: High fidelity The term "high fidelity" was coined in the 1920s by some manufacturers of radio receivers and phonographs to differentiate their better-sounding products claimed as providing "perfect" sound reproduction.[58] The term began to be used by some audio engineers and consumers through the 1930s and
1940s. The heated stylus improved the cutting of high frequencies. The series of records was then named Mercury Living Presence. There were ten major evolutionary steps that improved LP production and quality during a period of approximately forty years. ^ "Vinyl sales pass 1m for first time this century". "Verbesserte Schallplattenwiedergabe
durch UC-Kompressor". External links Wikimedia Commons has media related to Latin music (genre). Chicago Tribune. Groove with sound only on left channel While the stylus moves vertically as well as horizontally. ^ Later This song was used on
soundtrack of the 2014 film Chef ^ Bernstein, Arthur; Sekine, Naoki; Weismann, Dick (2013). It is not the result of innumerable experiments, but was worked out on paper in advance of being built in the laboratory ... "What Are the Most Popular Latin Music Genres?". p. 31. A further late 1970s development was the Disco Eye-Cued system used
mainly on Motown 12-inch singles released between 1978 and 1980. These records became less common in the United States when tape recorders began being used for radio transcriptions around 1949. p. 40A. Archived from the original on 2016-04-12. Vol. 36, no. 5. ^ Salaverri, Fernando (November 3, 1979). Audio signal processing and coding.
ISBN 978-1-4381-1012-7. the power that Hollywood films could exert in the two-pronged campaign to win the hearts and minds of Latin Americans and to convince Americans of the benefits of Pan-American friendship *Prez-prado-mn0000310383 * Giro, Radamés 2007. At that speed, a strobe disc with 92 lines would "stand still" in 60 Hz light.
Accessed January 26, 2009. Archived from the original on 2016-12-20. According to Edward Wallerstein (the general manager of the RCA Victor Division), this device was "instrumental in revitalizing the industry".[26] 78 rpm materials The earliest disc records (1889-1894) were made of a variety of materials, including hard rubber. Nakamichi
Oxford: Blackwell Pub. ^ Meet the Record-Pressing Robot Fueling Record's Comeback. May 14, 2013. In the 1930s, record companies began issuing collections of 78 rpm records by one performer or of one type of music in specially assembled albums, typically with artwork on the front cover and liner notes on the back or inside cover. The disks were
incompatible with standard record playback pre-amplifiers, relying on the dbx compander encoding/decoding scheme to greatly increase dynamic range by up to 30 dB(A). The Audiophile numbers can be found into the hundreds today but the most collectable ones are the early 78 rpm releases, especially the first, AP-1. Alle entsprechend
aufgezeichneten Schallplatten tragen im Spiegel der Auslaufrille zusätzlich zur Matrizengravur ein U. ^ Perpetua, Matthew (2011-01-06). In fact, pressing lightweight records requires more care. 78 rpm releases in the microgroove era For collectible or nostalgia purposes, or for the benefit of higher-quality audio playback provided by the 78 rpm
speed with newer vinyl records and their lightweight stylus pickups, a small number of 78 rpm records have been released since the major labels ceased production. ^ Cutnell, John D.; Johnson, Kenneth W. Subsonic frequencies below about 20 Hz in the audio signal are dominated by tracking effects, which is one form of unwanted rumble ("tracking effects," tracking effects," the audio signal are dominated by tracking effects, which is one form of unwanted rumble ("tracking effects," the audio signal are dominated by tracking effects," the audio signal are dominated by tracking effects, which is one form of unwanted rumble ("tracking effects," the audio signal are dominated by tracking effects," the audio signal are dominated by tracking effects, which is one form of unwanted rumble ("tracking effects," the audio signal are dominated by tracking effects," the audio signal are dominated by tracking effects, which is one form of unwanted rumble ("tracking effects," the audio signal are dominated by tracking effects," the audio signal are dominated by tracking effects, which is one form of unwanted rumble ("tracking effects," the audio signal are dominated by tracking effects," the audio signal are dominated by tracking effects, and the audio signal are dominated by tracking effects, and the audio signal are dominated by tracking effects, and the audio signal are dominated by tracking effects, and the audio signal are dominated by tracking effects, and the audio signal are dominated by tracking effects, and the audio signal are dominated by tracking effects, and the audio signal are dominated by tracking effects.
noise") and merges with audible frequencies in the deep bass range up to about 100 Hz. High fidelity sound equipment can reproduce tracking noise and the Iberian Peninsula ^ "Julio Iglesias receives world record
certificate in Beijing". Broadcasters were faced with having to adapt daily to the varied recordings, lateral-cut transcriptions, and vertical-cut transcriptions. p. 78. It had a flatter audio response than the old style Wente condenses
type and didn't require electronics installed in the microphone housing. Wired UK. The Guardian. NPR. Goldmark, Rene' Snepvangers and William S. Vinyl records can be warped by heat, improper storage, exposure to sunlight, or manufacturing defects such as excessively tight plastic shrinkwrap on the album cover. During the 1980s there was a
trend for releasing singles on colored vinyl—sometimes with large inserts that could be used as posters. Stored sound in the form of variations in the track is visible, as is dust on the record. "Romancing the Record: The Vinyl De-Evolution and Subcultural Evolution". Retrieved 2017-04-03. {{cite web}}: CS1 maint: archived copy as title (link) ^
"Peyton On Patton | Rev. Most of the other groups were young musicians such as Pucho & His Latin Soul Brothers and Joe Bataan. ^ "2009 R.I.A.A. 2009 Year-End Shipment Statistics" (PDF). Archived 2017-02-23 at the Wayback Machine. He also noted that the accolade was mostly given to performers of tropical music. 1960s The Brazilian bossa
nova became widespread in Latin America and later became an international trend, led especially by Antônio Carlos Jobim.[33] Rock en español became popular with the younger generation of Latin America, [34] notably including Argentine bands such as Almendra.[35] Mexican-American Latin rock guitarist Carlos Santana began his
decades of popularity.[36] Late 60s, boogaloo boom was coming, and boogaloo musicians such as Pérez Prado, Tito Rodríguez and Tito Puente[37] released boogaloo singles and albums. The Oxford Companion to Music. repetitive sounds .. The Scientific American article that introduced the tinfoil phonograph to the public mentioned Marey, Rosapelly
and Barlow as well as Scott as creators of devices for recording but, importantly, not reproducing sound.[13] Edison also invented variations for the phonograph were envisioned, but although it enjoyed a brief vogue as a startling novelty at public
demonstrations, the tinfoil phonograph proved too crude to be put to any practical use. This system encoded the front-rear difference information on an ultrasonic carrier. "The Loud and Quiet Explosions". These recorded four separate sound signals. [1] [2][3] (NB. ISBN 0-471-19112-4. ^ "Archived copy" (PDF). "Sonido: Understanding the Rise of
Latin Music in the US". ^ Chris Hastings (2006-09-17). Archived from the original on 2017-09-19. Ifpi.fi. This is because of their popularity in 1954/1955 in "hillbilly" market in the South and Southwestern United States, where replacing the family 78 rpm record player with a new 45 rpm player was a luxury few could afford at the time. Retrieved
2009-02-07. ^ Gorman, Robert (May 1949). ^ Pat Naughtin. "Streaming spells the end of the 'ownership' era of music, but are we ready to let go?". As stated above, and in several record advertisements of the period, the materials that make for a quiet surface (shellac) are notoriously weak and fragile. ^ "Millennials push 2015 record sales to 26-year
high in US". Vol. 109, no. 25. [...] Quotes from the sleeve: [...] Thousands of man-hours were spent listening, adjusting, optimizing—until harpsichords sound like harpsichords sound lean and crisp without breathiness. International standard
IEC 60098: Analogue audio disk records and reproducing equipment. 1963-10-16. Before the establishment of the standard each company used its own preferred equalization, requiring discriminating listeners to use pre-amplifiers with selectable equalization curves. A small degree of warp was common, and allowing for it was part of the art of
turntable and tonearm design. Die Expansion erfolgt spiegelverkehrt. The playback equipment boosts bass and cuts treble so as to restore the tonal balance in the original signal; this also reduces the high frequency noise. The complete technical disclosure of the Columbia LP by Peter C. A Short History of Twentieth-Century Technology, c. 1900
c. 1950. Two main elements were combined: another disk material with less surface noise in the groove and dynamic compression for masking background noise. [...] We also suggest you listen closely for sounds of "breathing" and noise pumping. ^ Gebesmair, Andreas (2001). The new instrument is a feat of mathematics and physics. Aiming at the
lower cost mass market instead, CBS released the CX 20 vinyl noise reduction encoding/decoding scheme in 1981, which was met with some success. Archived from the original on 2014-12-20. High-quality disc cutting equipment was capable of making a master disc with 30-40 dB of stereo separation at 1,000 Hz, but the playback cartridges had
lesser performance of about 20 to 30 dB of separation at 1000 Hz, with separation decreasing as frequency increased, such that at 12 kHz the separation was about 10-15 dB.[90] A common modern view is that stereo isolation must be higher than this to achieve a proper stereo soundstage. The Latin Beat. "The 'Despacito' effect: The year Latino
music broke the charts". La Habana. It took about eight years of study, except when it was suspended because of World War II. Retrieved December 25, 2013. There is a dedicated museum in Montreal for Berliner (Musée des ondes Emile Berliner).
by Milde, similar to the circuitry used in the Ziphona HMK-PA2223. ^ "Myths (Vinyl) - Hydrogenaudio Knowledgebase". Retrieved 2017-01-08. Latin music: musicians, genres, and themes. Oxford University Press.
Indianapolis: Howard W. Christina Aguilera]: Alejandro Fernández". Redhotjazz.com. Eddie Condon explained: "Gabler realized that a jam session needs room for development." The first two 12-inch recordings did not take advantage of their capability: "Carnegie Drag" was 3m 15s; "Carnegie Jump", 2m 41s. ^ Fernandez, Enrique (18 June 1983)
Guinness World Record. In the United Kingdom, the popularity of indie rock caused sales of new vinyl records (particularly 7 inch singles) to increase significantly in 2006,[108][109] briefly reversing the downward trend seen during the 1990s. About.com Latin Music Genre Overview AllMusic Latin Music Billboard Latin Grammy Latin Music USA PBS
Latin Songwriters Hall of Fame American Sabor Retrieved from "2Disc-shaped vinyl analog sound storage medium For the magazine, see Phonograph Record (magazine). p. xv-xvi. They are rarely found today. "Vinyl LP Sales Up 33% In 2009". Archived from the original on 2013-04-20. Archived from the original (PDF) on 2013-06-08. Venture Beat.
I damn-near cried, it made me feel so terrible." A sequence where a school teacher's collection of 78 rpm jazz records is smashed by a group of rebellious students is a key moment in the film Blackboard Jungle. At the same time, Columbia introduced a vinyl 7-inch 33+1/3 rpm microgroove single, calling it ZLP, but it was short-lived and is very rare
today, because RCA Victor introduced a 45 rpm single a few months later, which became the standard. ^ "ARIA Release - 2009 wholesale sales figures FINAL DRAFT" (PDF). These vinyl Rhino 78's were softer and would be destroyed by old juke boxes and old record players, but play very well on newer 78-capable turntables with modern lightweight
tone arms and jewel needles.[44] As a special release for Record Store Day 2011, Capitol re-released The Beach Boys single "Good Vibrations" in the form of a 10-inch 78 rpm record (b/w "Heroes and Villains"). Archived from the original on 2013-01-15. Archived from the original on 2016-03-04. ^ "Archived copy". Billboard. The laser turntable
eliminates record wear and the possibility of accidental scratches, which degrade the sound, but its expense limits use primarily to digital archiving of analog records in 1959 Technology used in making recordings also developed and
prospered. It has been asked, "Did Caruso make the phonograph, or did the phonograph make Caruso?" [according to whom?] Delicate sounds and fine overtones were mostly lost, because it took a lot of sound energy to vibrate the recording horn diaphragm and cutting mechanism. You're Reading a Free Preview Pages 856 to 1144 are not shown in
this preview. Starting in the 1940s polyvinyl chloride became common, hence the name "vinyl". ^ "Stereo disc recording". The majority of non-78 rpm records are pressed on black vinyl. Retrieved 2021-05-07. p. 92. They were on average 15 minutes per side and contained several songs or radio program material. What Is Latin Music? You're Reading
a Free Preview Pages 74 to 194 are not shown in this preview. Retrieved 2020-05-01. Retrieved 2013-04-13. {{cite web}}: CS1 maint: archived copy as title (link) ^ [9][dead link] ^ a b c d e f "Vinylförsäljningen fortsätter att öka". Retrieved 2017. "New Latin Charts Bow". Bizet (Carmen prelude) [2:30] 2. The business grew quickly and interest
spread in high fidelity sound and the do-it-yourself market for pickups, turntables, amplifier kits, loudspeaker enclosure plans, and AM/FM radio tuners. This technique also has the potential to allow for reconstruction of broken or otherwise damaged discs.[100] Current status See also: Vinyl revival This section needs to be updated. Phonautograms of
singing and speech made by Scott in 1860 were played back as sound for the first time in 2008. When the records were played, phase-detection circuits in the amplifiers were able to decode the signals into four separate channels. Edison Disc Records consistently ran at 80 rpm. Bartók, Antal Dorati, Mercury 432 017-2. University of California Press.
This was especially true after the invention of the variable reluctance magnetic pickup cartridge by General Electric in the 1940s when high quality advances in recordings specifically made for radio broadcast. 16. "Latin Notas". Heavier accidents can cause the stylus to
break through the groove wall as it plays, creating a permanent skip that will cause the stylus to either skip ahead to the next groove or skip back to the previous groove. ^ Pietrobruno, Sheenagh (2006). Mexican singer Luis Miguel was credited for the renewed interest due to the success of his album, Romance (1991), a collection of classics covered
by the artist.[44] By the mid-1990s, Latin pop music was dominated by younger artists such as Eros Ramazzotti, Laura Pausini, and Nek successfully crossed over to the Latin music field by recording Spanish-
language versions of their songs.[46] In the Regional Mexican field, Tejano became the most prominent genre. ^ Saldana, Hector (August 16, 2015). This meant that the electrical recording characteristics of Western Electric licensees such as Columbia Records and Victor Talking Machine Company in the 1925 era had a higher amplitude in the
midrange region. 51 (December): 1172. G. Because of a slight slope in the lead-in groove, it is possible for the stylus to skip ahead several grooves when settling into position at the start of the recording. Retrieved 2008-06-22. {{cite web}}: CS1 maint: archived copy as title (link) ^ "Archived copy". More recently, The Reverend Peyton's Big Damn
Band has released their tribute to blues guitarist Charley Patton on both 12-inch LP and 10-inch 78 rpm.[45] Both are accompanied with a link to a digital download of the music, acknowledging the probability that purchasers might be unable to play the vinyl recording.[citation needed] New sizes and materials See also: LP record April 19-inch 19-inch 19-inch 29-inch 29-inc
12-inch LP being played. Retrieved 2021-05-05. ^ González, Juan (2011). Also shows a picture of the "U" engraving in the silent inner groove indicating UC encoded vinyl disks.) ^ Seiffert, Michael; Renz, Martin (eds.). Retrieved January 19, 2013. Sound Recordings by Peter Copeland published 1991 by the British Library ISBN 0-7123-0225-5. Crystal
pickups were also introduced as lower cost alternatives. 65 ^ Based on the early records proclaiming use of the new electrical recording method introduced in 1927 and about 1935 when copyright stamps were abolished. Educational video, 1942. Physics. This trend has been revived recently with 7-inch singles. Playback equalization for 78 rpm
shellacs and early LPs (EQ curves, index of record labels): Audacity Wiki The manufacturing and production of shellac records. Lanham: Lexington Books. "180 grams " Archived 2011-07-27 at the Wayback Machine, Arcane Radio Trivia, January 23, 2009. ^ "Building a House of Wax in Cleveland". Alternatively, the Wente style condenser microphone.
used with the Western Electric licensed recording method had a brilliant midrange and was prone to overloading from sibilants in speech, but generally it gave more accurate reproduction of the compact disc (CD) in 1982, the stereo LP
pressed in vinyl was at the high point of its development. The appearance of these records is similar to an LP, but they only contain one track each side. The 2011 figure of $109 million, but is still less than the 1997, 1998 and 1999 figures, which were all between $150 and $170 million. [123] Less common
recording formats VinylVideo VinylVideo VinylVideo is a format to store a low resolution of vinyl discs The New Face of Vinyl: Youth's Digital Devolution (photo documentary) Phonograph cylinder Record Store Day Sound recording
and reproduction Unusual types of gramophone records Capacitance Electronic Disc (CED) Notes ^ A catalogue issued in 1911 by Barnes & Mullins, musical-instrument dealers of London, illustrates examples in both 10-inch and 12-inch sizes; one is shown containing two records issued by Gramophone & Typewriter Ltd no later than 1908,
suggesting that the image is several years old. In the United States, Columbia Records introduced flexible, fiber-cored "Marconi Velvet Tone Record" pressings in 1907, but their longevity and relatively quiet surfaces depended on the use of special gold-plated Marconi Needles and the product was not successful. Archived from the original on 2008
06-04. The talking phonograph. ^ "2017 U.S. Music Year-End Report". ^ Peter A Soderbergh, "Olde Records Price Guide 1900-1947", Wallace-Homestead Book Company, Des Moines, Iowa, 1980, pp. Archived from the original on 2021-10-29. In 1949 Capitol and Decca adopted the new LP format and RCA Victor gave in and issued its first LP in
January 1950. ISBN 978-0-7172-5818-5. Swedish public service television teletext, 12.December.2016, page 150 "Archived copy". Selena helped push Tejano music into the mainstream market with her albums Entre a Mi Mundo (1992) and Amor Prohibido (1994), although the genre's popularity declined following her murder in 1995.[47] In thead of the mainstream market with her albums Entre a Mi Mundo (1994), although the genre's popularity declined following her murder in 1995.[47] In thead of the mainstream market with her albums Entre a Mi Mundo (1994), although the genre's popularity declined following her murder in 1995.[47] In thead of the mainstream market with her albums Entre a Mi Mundo (1994), although the genre's popularity declined following her murder in 1995.[47] In thead of the mainstream market with her albums Entre a Mi Mundo (1994), although the genre's popularity declined following her murder in 1995.[47] In the mainstream market with her albums Entre a Mi Mundo (1994), although the genre's popularity declined following her murder in 1995.[47] In the mainstream market with her albums Entre a Mi Mundo (1994), although the genre's popularity declined following her murder in 1995.[47] In the mainstream market with her albums Entre a Mi Mundo (1994), although the genre's popularity declined following her murder in 1995.[47] In the mainstream market with her albums Entre a Mi Mundo (1994), although the genre's popularity declined following her murder in 1995.[47] In the mainstream market with her albums Entre a Mi Mundo (1994), although the genre's popularity declined following her murder in 1995.[47] In the market with her albums Entre a Mi Mundo (1994), although the genre's popularity declined following her murder in 1995.[47] In the genre's popularity declined following her murder in 1995.[47] In the genre's popularity declined following her murder in 1995.[47] In the genre's popularity declined following her murder in 1995.[47] In the genre's popularity declined following her murder in 1995.[47] In the g
tropical music field, merengue, which gained attention in the 1980s, rivaled salsa in popularity.[48] 2000s In the mid-2000s, reggaeton became popular in the mainstream market, with Hector 'El Father' Tego Calderon, Daddy Yankee, Don Omar, and Wisin & Yandel considered to be the frontiers of the genre.[49] In the tropical music scene, bachata
mus esic became popular in the field, with artists such as Monchy & Alexandra and Aventura finding success in the urban areas of Latin America.[50] Banda was the dominant genre in the Regional Mexican music field. [51] 2010s By the turn of the decade, the Latin music field became dominated by up-tempo rhythms, including electropop, reggaeton,
urbano, banda and contemporary bachata music, as Latin ballads and crooners fell out of favor among U.S. Latin music industry in the United States, Latin America and Spain.[53] Latin trap gained mainstream attention in the mid-2010s with notable artists
such as Ozuna, Bad Bunny, and Anuel AA.[54] In May 2013, Christina Aguilera appeared on Mexican singer Alejandro Fernández's cover of "Hoy Tengo Ganas de Ti" from his album Confidencias.[55] Latin music accounted for 9.4 percent of all album listening in the U.S. in 2018, surpassing the Country music genre for the first time. Sound
enhancements During the vinyl era, various developments were introduced. "Why metrication matters". As a result, the Latin Grammy Awards are presented to records performed in Spanish or Portuguese, [13] while the organization focuses on music from Latin America, Spain, and Portugal. [14] Since the late 1990s, the United States has had a
substantially rising population of "Latinos",[15] a term popularized since the 1960s due to the wrong and confusing use of the term "Spanish" and the more proper but less popular term "Hispanic".[17][18][19] Under this
definition, Spanish sung in any genre is categorized as "Latin" [20] In turn, this has also led to artists from Spain being labelled as "Latin" as they sing in the same language. [21] The Recording Industry Association of America (RIAA) and Billboard magazine use this definition of Latin music to track sales of Spanish-language records in the United
States.[22][23] Billboard however considers an artist to be "Latin" if they perform in Spanish or Portuguese.[24] The RIAA initiated the "Los Premios de Oro y Platino" ("The Gold and Platinum Awards" in Spanish) in 2000 to certify sales of Latin music albums and singles under a different threshold than its standard certifications.[25] Billboard divides
its Latin music charts into three subcategories: Latin pop, Regional Mexican, and tropical.[26] A fourth subcategory was eventually added in the mid 2000s to address the rise of Latin music genres such as Latin hip hop and reggaeton.[27] History 1940s-1950s The term "Latin music" originated from the United States due to the growing
influence of Latino Americans in the American music market, with notable pioneers including Xavier Cugat (1940s) and Tito Puente (1950s) and then accelerating in later decades.[2][3] As one author explained the rising popularity from the 1940s: "Latin America, the one part of the world not engulfed in World War II, became a favorite topic for
songs and films for Americans who wanted momentarily to forget about the conflagration."[28] Wartime propaganda for America's "Good Neighbor Policy" further enhanced the cultural impact.[29] Pérez Prado is the composer of such famous pieces as "Mambo No. 8". Efforts were made in the 1970s to record as many as fourther enhanced the cultural impact.[29] Pérez Prado is the composer of such famous pieces as "Mambo No. 8". Efforts were made in the 1970s to record as many as fourther enhanced the cultural impact.[29] Pérez Prado is the composer of such famous pieces as "Mambo No. 8". Efforts were made in the 1970s to record as many as fourther enhanced the cultural impact.[29] Pérez Prado is the composer of such famous pieces as "Mambo No. 8". Efforts were made in the 1970s to record as many as fourther enhanced the cultural impact.[20] Pérez Prado is the composer of such famous pieces as "Mambo No. 8". Efforts were made in the 1970s to record as many as fourther enhanced the cultural impact.[20] Pérez Prado is the composer of such famous pieces as "Mambo No. 8". Efforts were made in the 1970s to record as many as fourther enhanced the cultural impact.[20] Pérez Prado is the composer of such famous pieces as "Mambo No. 8". Efforts were made in the 1970s to record as many as fourther enhanced the cultural impact.[20] Pérez Prado is the composer of such famous pieces as "Mambo No. 8". Efforts were made in the 1970s to record as many as fourther enhanced the cultural impact.[20] Pérez Prado is the composer of such famous pieces as "Mambo No. 8". Efforts were made in the 1970s to record as many as fourther enhanced the cultural impact.[20] Pérez Prado is the composer of such famous pieces as "Mambo No. 8". Efforts were made in the 1970s to record as many as fourther enhanced the cultural impact.[20] Pérez Prado is the composer of such famous pieces as "Mambo No. 8". Efforts were made in the 1970s to record as many as fourther enhanced the pieces as "Mambo No. 8". Efforts were made in the 1970s to record as many as fourth
audio channels on an LP (quadraphonic) by means of matrix and modulated carrier methods. 154 (5): 132-133. p. 263. Playback Equalizer Settings for 78 rpm Recordings. ^ "The Beatles at 78 RPM". "Me Cambiaste la Vida - Rogelio Martinez". Edison first tried recording sound on a wax-impregnated paper tape, with the idea of creating a "telephone
repeater" analogous to the telegraph repeater he had been working on. YouTube. ^ a b Stavans, llan (2014). pp. 6, 92. Hence the RIAA curve did not truly become a global standard until the late 1980s. College Physics, Sears, Zemansky, Young, 1974, LOC #73-21135, chapter: "Acoustic Phenomena" Powell, James R., Jr. The Audiophile's Technical
Guide to 78 rpm, Transcription, and Microgroove Recordings. Further reading Stavans, Ilan (2014). ISBN 0-521-47556-2 - via Internet Archive. Columbia is one such prominent example in the US, as are Decca, Teldec and Deutsche Grammophon in Europe.[89] Sound fidelity Enrico Caruso with a phonograph c.1910s Overall sound fidelity of records
produced acoustically using horns instead of microphones had a distant, hollow tone quality. Nvpi.nl. "Vinyl Sales Increase Despite Industry Slump". pp. 87-102. Automatic turntables rely on the position or angular velocity of the arm, as it reaches the wider spacing in the groove, to trigger a mechanism that lifts the arm off the record. The mastering
process was originally something of an art as the operator had to manually allow for the changes in sound which affected how wide the space for the groove needed to be on each rotation. Ultimately, the New Orthophonic curve was disclosed in a publication by R.C. Moyer of RCA Victor in 1953. "The Unstoppable Rise of Reggaeton". Room vibrations
era whose voice was well matched to the recording horn. The 45 rpm size was gaining in popularity, too, and Columbia issued its first 45s in February 1951. Archived from the original on 2016-03-22. In 2015 the sales of vinyl records sold in 2015,
and the number has increased annually ever since 2006.[120] Vinyl sales continued to grow in 2017, comprising 14% of all physical album sales. In the 1940s, radio transcriptions, which were usually on 16-inch records, but sometimes 12-inch, were always made of vinyl, but cut at 33+1/3 rpm. ^ "SoundScan may be under reporting US vinyl sales". At
high frequencies, hiss, pops, and ticks are significant. p. 73. These sub-carriers use special FM-PM-SSBFM (Frequency Modulation-Phase Modulat
response. Retrieved 2017-10-20. Wendet man bei der Wiedergabe das umgekehrte Verfahren an, werden mit den leisen Tönen auch die Störungen abgeschwächt und die lauten Stellen verzerren nicht und nutzen sich weniger ab. Pathé also issued 14-inch and 20-inch records around the same time. Retrieved 2016-12-12. {{cite web}}: CS1 maint:
consumers switch to CDs, which unlike today, were more profitable for the record companies. [103][104][105][106] In spite of their flaws, such as the lack of portability, records still have enthusiastic supporters. Conversely, in the bass as frequency decreased, recording amplitude increased. Total groove length in turn depends on how closely their flaws, such as the lack of portability, records still have enthusiastic supporters.
grooves are spaced, in addition to the record diameter. Crossroads: the Multicultural Roots of America's Popular Music (2nd ed.). The 78 rpm can provide for vinyl microgroove records, hence the label's name (obviously catering to the
played for about 15 minutes per side. These completely bypassed the use of magnetic tape in favor of a "purist" transcription directly to the master lacquer disc. Greenwood technographies. This was remedied by cutting at half the speed. H. High frequency sensitivity decreases as a person ages, a process called presbycusis. [96] By contrast, hearing
damage from loud noise exposure typically makes it more difficult to hear lower frequencies, such as three kHz through six kHz. Production Further information: Production of phonograph records For the first several decades of disc record manufacturing, sound was recorded directly on to the "master disc" at the recording studio. The system
recording progresses. Occasional records have been issued since then with a recording on only one side. doi:10.1111/j.0022-3840.1992.00109.x. ^ "Record Store Day: This is what happens inside a vinyl factory - BBC Newsbeat". 144 "On March 21st, 1925, Alfred Cortot made for the Victor Talking Machine Co., in Camden, New Jersey, the first
classical recording to employ a new technique, thanks to which the gramophone was to play an important part in musical life: electric ... " Nanamaker (1926-01-16). Aria.com.au. Columbia Record Catalog 1950 "Supplement No. 2 to NAB (NARTB) Engineering Handbook; NARTB Recording and Reproducing Standards" (PDF). By the mid-1890s,
discs were usually 7 inches (nominally 17.5 cm) in diameter. UC [...] Vom VEB Deutsche Schallplatten und dem ZWT Rundfunk und Fernsehen der DDR entwickelter, breitbandiger Kompander zur Codierung von Schallplatten. ^ Morton, David L., Jr. (2006). Morales, Ed (2003). Over time, fidelity, dynamic and noise levels improved to the point that it
was harder to tell the difference between a live performance in the studio and the recorded version. This curve was defined by the time constants of audio filters and had a bass turnover of 400 Hz and a 10,000 Hz rolloff of -12 dB. Factory problems involving incomplete flow of hot vinyl within the stamper can fail to accurately recreate a small section
of one side of the groove, a problem called non-fill. Rimsky-Korsakov (Procession of the Nobles from Mlada) [4:55] 3. - Free Online Library". "History of Acoustical Recording". The 10-inch format disappeared from United States stores around 1957, supplanted by 12" discs, but remained common in some markets until the mid-1960s. Likewise at the
treble end beginning at 1,000 Hz, if audio frequencies were boosted by 16 dB at 10,000 Hz the delicate sibilant sounds of speech and high overtones of musical instruments could survive the noise level of cellulose acetate, lacquer-aluminum, and vinyl disc media. pp. 53, 62. A Read, Oliver; Welch, Walter L., From Tin Foil to Stereo, U.S.A., 1959 A V-
Disc and Armed Forces Radio Catalogue, Blue Goose Publishers, St Louis ^ The Amazing Phonograph, Morgan Wright, 2002 Hoy Hoy Publishers, Saratoga Springs, NY p. ^ "Audacity Team Forum: Pre-echo when recording vinyl record". ^ Browne, David (1991-10-04). Bonnier Corporation. ^ "LPs historic". Since 2006 has the global sales increased
from approximately 3.1 million sold records to 31.5 million in 2015. The chief advantage claimed was more grooves per inch that could be crowded together, resulting in longer playback time. It usually appears on the first item on a side if present at all. Maxwell and Henry C. Archived from the original on 2017-04-04. The records were made of vinyl
however, and some of the earlier vintage 78 rpm jukeboxes and record players (the ones that were pre-war) were designed with heavy tone arms to play the hard slate-impregnated shellac records of their time. The ultimately dominant "45/45" stereophonic record system was invented by Alan Blumlein of EMI in 1931 and patented the same year
ISBN 0240521773. "First It Said 'Mary'". Salinger's 1951 novel The Catcher in the Rye occurs after the adolescent protagonist buys a record for his younger sister but drops it and "it broke into pieces ... Howard W. Little B's Poem (Bobby Hutcherson) [3:12] 4. Retrieved December 24, 2013. Retrieved July 30, 2015. Wax mastering was employed to
produce Decca/London LPs. This created considerable interest in the United States, and served to raise the customer's overall expectations of quality in microgroove records. vol 4, p147 ^ Listed in Díaz Ayala, Cristóbal 1988. Archived from the original on 2016-03-25. "Face au CD en déclin, le disque vinyle fait un retour en force". Abandoning
Berliner's "Gramophone" trademark for legal reasons, in 1901 Johnson's and Berliner's separate companies reorganized to form the Victor Talking Machine Company in Camden, New Jersey, whose products would come to dominate the market for many years.[15] Emile Berliner moved his company to Montreal in 1900. Efforts were also made to
simplify the chain of equipment in the recording process and return to live recording directly to the disc master. Archived from the original on 2016-04-09. Das UC-Kompandersystem (universal compatible) nutzt die Möglichkeit durch den Einsatz sogenannter Logarithmierer, den Verstärkungsvorgang fließend zu gestalten und ein abruptes
Umschalten bei niedrigen Signalpegeln zu vermeiden. Most colors were soon dropped in favor of black because of production problems. Also, a folded horn with an exponential taper was constructed inside the cabinet to provide better impedance matching to the air. Capacitance Electronic Discs were videodiscs invented by RCA, based on
mechanically tracked ultra-microgrooves (9541 grooves/inch) on a 12-inch conductive vinyl disc.[57] Only a small portion of the tracking stylus was electrically active; this sensing electrode detected the changing capacitance between it and microscopic peaks and valleys of the conductive disc surface, while the entire stylus rides over many crests at
once. ^ Cobo, Leila (August 15, 2009). Archived (PDF) from the original on 2017-03-12. (3 pages) (NB. Archived (PDF) from the original on 2012-10-27. Bis dahin gibt es aber
noch eine Schwierigkeit. The 7-inch 45 rpm format normally contains one item per side but a 7-inch EP could achieve recording times of 10 to 15 minutes at the expense of attenuating and compressing the sound to reduce the width required by the groove. Audacityteam.org. Archived from the original on 2007-03-29. ^ Fadeyev, V.; C. For ordinary
78 rpm records, however, the much higher cost of the synthetic plastic, as well as its vulnerability to the heavy pickups and mass-produced steel needles used in home record players, made its general substitution for shellac impractical at that time. In the Orthophonic, which benefited from telephone research, the mechanical pickup head was
redesigned with lower resonance than the traditional mica type. Many 7" singles pressed outside the US come with the smaller spindle hole size, and are occasionally pressed with notches to allow the center part to be "punched out" for playing on larger spindles. ^ The 2 slower speeds used by the Library of Congress to supply the National Library
Service for the Blind and Physically Handicapped. Global Repertoires: Popular Music Within and Beyond the record onto a sharp corner can scratch the record permanently, creating a series of "ticks" and "pops" heard at each subsequent playback. Dust can be
seen. ^ Read, Oliver (1952). 2001; Gramophone Adventures, Portage, MI. Archived (PDF) from the original on 2017-05-16. ^ "ARIA releases 2010 wholesale sales figures" (PDF). Mimosa (Dennis Irwin) [5:52] 3. Archived from the original on 2009-06-09. According to Red Book specifications, the compact disc has a frequency response of 20 Hz up to
22,050 Hz, and most CD players measure flat within a fraction of a decibel from at least 0 Hz to 20 kHz at full output. World Records, Vocalion "W" Fetherflex and Penny Phono Recordings: A listing. Cambridge, MA: Da Capo Press. Electrically amplified record players were initially expensive and slow to be adopted. Bpi.co.uk. Many collectors prefer
to have heavyweight vinyl albums, which have been reported to have better sound than normal vinyl because of their higher tolerance against deformation caused by normal play.[81] One hundred eighty gram vinyl is more expensive to produce only because it uses more vinyl. Along with a tuning fork tone and unintelligible snippets recorded as early
as 1857, these are the earliest known recordings of sound. Archived from the original on 2008-06-30. Retailers, fearing they would be stuck with anything they ordered, only ordered proven, popular titles that they knew would sell, and devoted more shelf space to CDs and cassettes. The NAB, among other items, issued recording standards in 1949 for
laterally and vertically cut records, principally transcriptions. The first record, a Chicago Symphony Orchestra performance of Pictures at an Exhibition, conducted by Rafael Kubelik, was described as "being in the living presence of the orchestra" by The New York Times music critic. Unlike the phonautograph, it could both record and reproduce
sound. ^ "Radiohead, Neutral Milk Hotel Help Vinyl Sales Almost Double In 2008". This proved to be both a better-sounding and far more useful and durable device. ^ Ober, Norman (1973). Retrieved March 24, 2016. Berlin: VEB Verlag Technik [de]. 2008-03-20. CNET. A Companion to Latina/o Studies. ^ Self, Douglas (2002). Scientific American, 14
December, 384. The current standard is called RIAA equalization. An exception is the propensity of 200 g pressings to be slightly more prone to non-fill, when the vinyl biscuit does not sufficiently fill a deep groove during pressing (percussion or vocal amplitude changes are the usual locations of these artifacts). 193-194. Notes: Before the mid-1950s
the 33+1/3 rpm LP was most commonly found in a 10-inch (25 cm) format. The LP record for longer works, 45 rpm for pop music, and FM radio became high fidelity program sources in demand. "Ziphona HMK-PA2223". The Talking Machine Review International. Retrieved December 29, 2017. Eight years later, the organization debuted three new
categories for Latin music: Best Latin Pop Performance, Best Mexican/Mexican-American (also to referred to as Regional Mexican) is based any musical style originating from Mexico or influences by its
immigrants in the United States including Tejano, and tropical music focuses any music from the Spanish Caribbean.[11] In 1997, NARAS established the Latin Recording Academy (LARAS) in an effort to expand its operations in both Latin America and Spain.[12] In September 2000, LARAS launched the Latin Grammy Awards, a separate award
ceremony from the Grammy Awards, which organizers stated that the Latin music universe was too large to fit on the latter awards. No home record player could accommodate such large records, and they were used mainly by radio stations. Eventually, when it was more common for electric recordings to be played back electrically in the 1930s and
1940s, the overall tone was much like listening to a radio of the era. From 1903 onwards, 12-inch (30 cm) records were produced, mostly featuring classical music or operatic selections, with four to five minutes of music per side. ^ a b c d "German Biz Eyes Growth In 2011, Hopes To Top U.K." Billboard. The Vinyl Factory. 1953. You're Reading a
Free Preview Page 632 is not shown in this preview. Columbia and RCA Victor's competition extended to equipment. Archived (PDF) from the original on 2016-06-14. Bachman in 1949 made it possible for a great variety of records were
introduced in early 1930. ^ "Louis Armstrong and King Oliver", Heritage Jazz, cassette, 1993 ^ Eddie Condon, "We Called It Music", Da Capo Press, New York, 1992, p. Quartz. 263-264. Some of Elvis Presley's early singles on Sun Records may have sold more copies on 78 than on 45. Vinyl "Broken record" redirects here. 2012-02-20. You're Reading
a Free Preview Pages 549 to 581 are not shown in this preview. This improved the overall pickup of high quality sound and enabled tape editing. In the 1980s Columbia records briefly issued a series of less expensive one-sided 45 rpm singles. The New York Times, February 23, 1930, p. Welch The Fabulous Phonograph by Roland Gelatt, published by
Cassell & Company, 1954 rev. "Cinema" (Limited ed.). As early as 1894, Emile Berliner's United States Gramophone Company was selling single-sided 7-inch discs with an advertised standard speed of "about 70 rpm".[16] One standard audio recording handbook describes speed regulators, or governors, as being part of a wave of improvement
introduced rapidly after 1897. Auto-changers included a mechanism to support a stack of several records above the turntable itself, dropping them one at a time onto the active turntable to be played in order. Sedan 2006 har försäljningen globalt ökat från drygt 3,1 miljoner sålda exemplar jämfört med 31,5 miljoner sålda exemplar 2015. During
recording the amplitude of low frequencies is reduced, thus reduced, thus reduced, thus reduced in 1973/1974, but only got some following starting 1978. A dusty/scratched vinyl record being played. "Tropical Paradise"
heise online. Fortune.com. A skip going to the previous groove is called a broken record; the same section of 1.8 seconds of LP (1.3 s of 45 rpm) music will repeat over and over until the stylus is lifted off the record. By 1954, 200 million 45s had been sold. [55] Eventually the 12-inch (300 mm) 33+1/3 rpm LP prevailed as the dominant format for
deliberately reduced disk noise by 10 to 12 dB(A) only[66] to remain virtually free of recognizable acoustical artifacts even when records were played back without an UC expander. ISBN 978-0-19-538568-7. Penguin Books. Later, the French company Pyral invented a ready-made blank disc having a thin nitro-cellulose lacquer coating (approximately
7 mils thickness on both sides) that was applied to an aluminum substrate. World Records produced records that played at a constant linear velocity, controlled by Noel Pemberton Billing's patented add-on speed governor.[49] As the needle moved from the outside to the inside, the rotational speed of the record gradually increased as the groove
diameter decreased. ISSN 0161-7370. 2011-05-05. According to the Apollo Masters website, their future is still uncertain.[6] Phonograph records are generally described by their diameter in inches (12-inch, 10-inch, 7-inch) (although they were designed in millimeters[7]), the rotational speed in revolutions per minute (rpm) at which they are played
(8+1/3, 16+2/3, 33+1/3, 45, 78),[8] and their time capacity, determined by their diameter and speed (LP [long playing], 12-inch disc, 33+1/3 rpm; SP [single], 10-inch disc, 3
etc.); and the number of audio channels (mono, stereo, quad, etc.). Developmentally, much of the technology of the long playing record, successfully released by Columbia in 1948, came from wide range radio transcription practices. Retrieved 2007-01-14. The Recording and Reproduction of Sound (revised and enlarged 2nd ed.). There was also a
small batch of longer-playing records issued in the very early 1930s: Columbia introduced 10-inch longer-playing records on their Harmony, Clarion & Velvet Tone "budget" labels. Vinyl pressings were made with stampers from master cuts that were electroplated
in vacuo by means of gold sputtering. Microgroove and vinyl era After World War II, two new competing formats entered the market, gradually replacing the standard 78 rpm. Rolling Stone. Archived from the original on 2006-10-04. Retrieved June 7, 2017. Also in the late 1970s, "direct-to-disc"
records were produced, aimed at an audiophile niche market. 1980. In 1925, the Victor company introduced both the Orthophonic Victrola, an acoustical record player that was designed to play the new electrically recorded discs, and the electrically recorded discs, and the electrically amplified Electrola. ISBN 978-1-135-92248-1. Archived from the original on 2016-03-23. Underground
comic cartoonist and 78 rpm record collector Robert Crumb released three vinyl 78s by his Cheap Suit Serenaders in the 1970s.[citation needed] In the 1990s Rhino Records issued a series of boxed sets of 78 rpm reissues of early rock and roll hits, intended for owners of vintage jukeboxes. Tribune Company. 60, No. 4 (December, 1973), pp. This
behavior is similar to the modern compact disc and the CLV version of its predecessor, the (analog encoded) Philips LaserDisc, but is reversed from inside to outside. Peter Goldmark, the man who developed the Highway Hi-Fi 16+2/3 rpm record to be played in Chrysler automobiles, but poor performance of the
system and weak implementation by Chrysler and Columbia led to the demise of the 16+2/3 rpm records. Lawrence, Harold; "Mercury Living Presence". The 10-inch vinyl format was resurrected in the 1970s for marketing some popular recordings as collectible, and these are occasionally seen today. They proved commercially unsuccessful, but were
an important precursor to later surround sound systems, as seen in SACD and home cinema today. 400 Hz calibration tone. The spring motor was replaced by an electric motor. Archived (PDF) from the original on 2005-05-25. Iasa-web.org. This LP contains 400 Hz, 0 dB, 200 nWb/m calibration tones as well.). Archived (PDF) from the original on 2005-05-25. Iasa-web.org.
2017-02-22. The widespread popularity of Sony's Walkman was a factor that contributed to the vinyl's lessening usage in the 1980s.[101] In 1988, the compact disc surpassed the gramophone record in unit sales. Retrieved April 9, 2015. ISBN 0-9634921-2-8 Powell, James R., Jr. Broadcast Transcription Discs. DJ techniques such as slip-cueing,
beatmatching, and scratching originated on turntables. Retrieved 2011-01-07. Popular Science. Where it was 50 Hz, it was 77.92 rpm: that of a 50 Hz stroboscope illuminating 77-bar calibration markings.[18] Acoustic recordings were made entirely acoustically, the sound being collected by a horn and piped to a diaphragm, which
vibrated the cutting stylus. Archived from the original on 2016-05-10. The 45 rpm player included a changing mechanism that allowed multiple disks to be stacked, much as a conventional changer handled 78s. German record company Odeon pioneered the allowed multiple disks to be stacked, much as a conventional changer handled 78s. German record company Odeon pioneered the allowed multiple disks to be stacked, much as a conventional changer handled 78s.
a specially designed package.[38] However, the previous year Deutsche Grammophon had produced an album for its complete recording of the opera Carmen. Da Capo Press. Archived from the original on 2013-06-03. ^ "Vinyl Sales in 2010 Increase Despite Music Industry Slump - Rolling Stone". Analog disc records dominated the home
entertainment market throughout the 20th century until they were outsold by digital compact discs in the 1980s, which were in turn supplanted by digital audio recordings distributed via online music stores and Internet file sharing. Archived 2017-08-08 at the Wayback Machine. During the early 1970s, as a cost-cutting move, much of the industry
began reducing the thickness and quality of vinyl used in mass-market manufacturing. Record masters were cut directly from a three-tracks. The 7-inch (175 mm) 45 rpm disc or "single" established a significant niche for shorter-duration discs, typically
containing one item on each side. Guidelines for proper vinyl storage include not stacking records on top of each other, avoiding heat or direct sunlight and placing them in a temperature controlled area which will help prevent vinyl records from the original on 2009-01.
27. The first electrically recorded Victor Red Seal record was Chopin's "Impromptus" and Schubert's ad in The New York Times offers records "by the latest Victor process of electrical recording".[23] It was recognized as a breakthrough;
in 1930, a Times music critic stated: ... the time has come for serious musical criticism to take account of performances of great music reproduced by means of the recording pattern of the Western Electric "rubber line" magnetic disc cutter had a constant velocity characteristic.
Lexikon Imprint Verlag. ^ "Billboard". When the 12-inch vinyl LP era began in 1948, each disc could hold a number of tunes similar to that of a typical album of 78s, so they were still referred to as an "album", as they are today. The cutting stylus unavoidably transfers some of the subsequent groove wall's impulse signal into the previous groove wall.
^ Plasketes, George (1992). ^ "FEATURE: Forty Years of the Sony Walkman: 1st July, 1979: An Historic and Iconic Day for Music". 1992. Sometimes this was called "diaphragming" the source material and not favoured by some music lovers for its unnatural side effects. Around 1895, a shellac-based material was introduced and became standard. In
regions of the world that use 50 Hz current, the standard was 77.92 rpm (and a disk with 77 lines).[50] After World War II, these records became retroactively known as 78s, to distinguish them from the newer disc record formats known by their rotational speeds. Svt.se. ^ Melendez, Angel (April 25, 2017). Scientific American. Américas. Rather than
having the proper mirror-like finish, the surface of the record will have a texture that looks like orange peel. The loudest instruments such as the drums and trumpets were positioned the farthest away from the collecting horn. Retrieved 2008-06-22. {{cite web}}: CS1 maint: archived copy as title (link) ^ Shay Sayre, Cynthia King, Entertainment and
Society: Influences, Impacts, and Innovations (2010), p. Generally the sleeves had a circular cut-out exposing the record label to view. A singer almost had to put his or her face in the recording horn. 2021-09-07. ISBN 0-8018-8398-9. Auf eine äußere, gut sichtbare Kennzeichnung wurde, im Sinne der hervorragenden Kompatibilität des Verfahrens bei
einer konventionellen Wiedergabe und in Ermangelung verfügbarer UC-Expander für den Heimgebrauch, verzichtet. Gold sputtering in vacuo became increasingly used to make high quality matrices from the cuts to stamp vinyl records. In 1903, Victor offered a series of 14-inch (36 cm) "Deluxe Special" records, which played at 60 rpm and sold for
—is what distinguishes High-Com II from other noise-reduction systems. Archived from the original on 2021-05-06. Variable pitch groove spacing helped enable greater recorded dynamic levels. The greater thickness and width of 35 mm magnetic film prevented tape layer print-through and pre-echo and gained extended frequency range and transient
response. The last Presley single released on 78 in the United States was RCA Victor 20-7410, "I Got Stung"/"One Night" (1958), while the last 78 in the UK was RCA 1194, "A Mess Of Blues"/"Girl Of My Best Friend" issued in 1960. Please help improve this article by adding citations to reliable sources. [...] Between programs, there is utter silence
Ouadraphonic sound effectively had to wait for digital formats before finding a permanent position in the market place. Vinyl is a material which is sensitive for high temperatures as well as uneven temperatures on different parts of a record. [citation needed] New or "virgin" neavy/neavyweignt (180-220 g) vinyi is commonly used for modern
audiophile vinyl releases in all genres. You're Reading a Free Preview Pages 227 to 407 are not shown in this preview. VisualAudio, developed by the Swiss National Sound Archives and the School of Engineering and Architecture of Fribourg, is a similar system. During the Second World War, the United States Armed Forces produced thousands of
12-inch vinyl 78 rpm V-Discs for use by the troops overseas. [28] After the war, the use of vinyl became more practical as new record players with lightweight crystal pickups and precision-ground styli made of sapphire or an exotic osmium alloy proliferated. The last Columbia Records reissue of any Frank Sinatra songs on a 10-inch LP record was an
album called Hall of Fame, CL 2600, issued on October 26, 1956, containing six songs, one each by Tony Bennett, Rosemary Clooney, Johnnie Ray, Frank Sinatra, Doris Day, and Frankie Laine. [52] The 10-inch LP had a longer life in the United Kingdom, where important early British rock and roll albums such as Lonnie Donegan's Showcase and Billy
Fury's The Sound of Fury were released in that form. Archived from the original on 2006-12-31. Some turntables included spindle size adapters, but other turntables required snap-in inserts like this one to adapt Victor's larger 45 rpm spindle size adapters, but other turntables required snap-in inserts like this one to adapt Victor's larger 45 rpm spindle size adapters, but other turntables required snap-in inserts like this one to adapt Victor's larger 45 rpm spindle size adapters, but other turntables required snap-in inserts like this one to adapt Victor's larger 45 rpm spindle size adapters, but other turntables required snap-in inserts like this one to adapt Victor's larger 45 rpm spindle size adapters, but other turntables required snap-in inserts like this one to adapt Victor's larger 45 rpm spindle size adapters, but other turntables required snap-in inserts like this one to adapt Victor's larger 45 rpm spindle size adapters, but other turntables required snap-in inserts like this one to adapt Victor's larger 45 rpm spindle size adapters, but other turntables required snap-in inserts like this one to adapt Victor's larger 45 rpm spindle size adapters, but other turntables required snap-in inserts like this one to adapt Victor's larger 45 rpm spindle size adapters, but other turntables required snap-in inserts like this one to adapt Victor's larger 45 rpm spindle size adapter 45 rpm spindle size adap
many years. Impressions (John Coltrane) [5:00] 2. The term EP is still used for a release that is longer than an album, even if it is not on vinyl format. The center (single) microphone was of paramount importance, with the two side mics adding depth and space. ^ "Vinyl Outsells CDs For the First Time in Decades". Fewer than
fifty titles were issued, and the series was dropped in 1906, due to poor sales. Amplifiers and cutters both using negative feedback were employed thereby improving the range of frequencies cut and lowering distortion levels. D. Hoboken: Taylor and Francis. Archived from the original on 2014-07-11. A static electric charge can build up on the
surface of the spinning record and discharge into the stylus, making a loud "pop". 2017-09-20. During playback, the movement of a single stylus tracking the groove is sensed independently, e.g., by two coils, each mounted diagonally opposite the relevant groove wall.[60] The combined stylus motion can be represented in terms of the vector sum and
difference of the two stereo channels. RCA Victor developed the 45 rpm format and marketed it in March 1949. ISBN 978-0-470-65826-0. A small number of records (such as The Monty Python Matching Tie and Handkerchief) were manufactured with multiple separate grooves to differentiate the tracks (usually called "NSC-X2"). (3 January 2020). An
offshoot of IRENE, the Confocal Microscope Cylinder Project, can capture a high-resolution three-dimensional image of the surface, down to 200 µm. Vinyl records experienced a sudden decline in popularity between 1988 and 1991,[102] when the major label distributors restricted their return policies, which retailers had been relying on to maintain
and swap out stocks of relatively unpopular titles. Music Musings & Such. The Orthophonic Victrola had an interior folded exponential horn, a sophisticated design informed by impedance-matching and transmission-line theory, and designed to provide a relatively flat frequency response. Retrieved 2019-06-29. Archived from the original on 2012-12-
23. Retrieved 17 July 2019. ^ "Trap's Latin American Takeover". Besides also being a battle of disc size and record speed, there was a technical difference in the recording characteristics. ^ "Standards for Stereophonic Disc Records". New York: Routledge. Archived from the original on 2016-03-29. A new issue debuted weekly and were sold at
newsstands like a magazine. In the 1934 John O'Hara novel, Appointment in Samarra, the protagonist "broke one of his most favorites, Whiteman's Lady of the Evening ... Handbook for Sound Engineers: The New Audio Cyclopedia. This was intended for use by hi-fi amplifier manufacturers. 10 in (25 cm) 9+7/8" ±1/32" LP (Long Play) 33+1/3 rpm 12-15
min/side EP (Extended Play) 45 rpm 9-12 min/side EP (Extended Play) 45 rpm 8 min/side Example of 7" EMI single with notched center hole. "Wow" (once-per-revolution pitch variation) could result from warp, or from a
spindle hole that was not precisely centered. This is done with relative ease because no actual "plating" of the mandrel occurs in the type of electrodeposition known as electroforming, unlike with electroplating, in which the adhesion of the new phase of metal is chemical and relatively permanent. 2008-03-19. By the end of the 1930s vinyl's light
weight, strength, and low surface noise had made it the preferred material for prerecorded radio programming and other critical applications. He traced RCA Victor characteristics back to the Western Electric "rubber line" recorder in 1925 up to the early 1950s laying claim to long-held recording practices and reasons for major changes in the
intervening years, Sensitivity and frequency range were poor, and frequency response was very irregular, giving acoustic recordings an instantly recognizable tonal guality. Cambridge University Press. ^ "Vinyl Sales 2000-2009" (PDF).
ISBN 978-0-520-25827-3. ^ inFact with Brian Dunning (2015-12-19). Information Week. They need to be stored on edge, and do best under environmental conditions that most humans would find comfortable.[97] The equipment for playback of certain formats (e.g. 16+2/3 and 78 rpm) is manufactured only in small quantities, leading to increased
difficulty in finding equipment to play the recordings. Danbury, Conn.: Grolier Academic Reference. In Glen Ballou (editor), Handbook for Sound Engineers: The New Audio Cyclopedia: Howard W. ISSN 0006-2510. Unsourced material may be challenged and removed. Find sources: "Phonograph record" - news · newspapers · books · scholar · JSTOR
(November 2019) (Learn how and when to remove this template message) Shellac Shellac 78s are fragile, and must be handled carefully. Berlioz (Rákóczi March from Damnation of Faust) [4:40] 3. Grooves on a modern 33 rpm record Uncommon Columbia 7-inch vinyl 33+1/3 rpm microgroove ZLP from 1948 Both the microgroove LP 33+1/3 rpm
record and the 45 rpm single records are made from vinyl plastic that is flexible and unbreakable in normal use, even when they are sent through the mail with care from one place to another. In 1931, RCA Victor launched the first commercially available vinyl long-playing record, marketed as program-transcription discs. This increase has caused
Latin music sales revenue in the US to rise from 176 million to 413 million to 41
Almost Double In 2008". Berlin, Germany: VEB Verlag Technik [de]. During and after World War II, when shellac supplies were extremely limited, some 78 rpm records produced by V-Disc for distribution to United States troops in World War II. Radio
transcription producers such as World Broadcasting System and Associated Music Publishers (AMP) were the dominant licensees of the Western Electric wide range system and towards the end of the 1930s were responsible for two-thirds of the total radio transcription business. (1877). In 1989, many Eastern European recording labels and Russian
recording labels such as Melodiya were still using their own CCIR equalization. For example, Nimbus Records uses a specially built horn record player [98] to transfer 78s. In 1877, Thomas Edison invented the phonograph. Early 45 rpm records were made from either vinyl or polystyrene. [47] They had a playing time of eight minutes. [48] Another size
and format was that of radio transcription discs beginning in the 1940s. p. 28. Regions United States The origins of Latin Music in the United States dates back to the 1930s, but was not until the 1950s and 1960s that Latin Music
started to become intertwined with American culture.[57] Latin music is starting to become mainstream in the US as Latin artists are teaming up with English speaking artists.[57] In 2017, a song named, "Despacito" by Justin Bieber, Luis Fonsi, and Daddy Yankee had 4.5 billion views on YouTube.[58] In 2017, six of the top ten viewed songs on
YouTube feature Latin Artists.[58] The song was the beginning for the boom of Latin music in the United States.[58] Some of the most popular forms of Latin music are Salsa, Bachata, Regional Mexican music, Tango, Merengue, Latin Pop, and Reggaeton.[59] Today, reggaeton is a very popular style that combines reggae and American hip-hop.[57]
Some of the most popular artists today are Daddy Yankee, Melymel, J Balvin and Nicky Jam.[57] In 2018, Latin music came second in total video streams with 21.8% market share.[60] Latin music came second in total video streams with 21.8% market share.
globalization has caused Latin music to skyrocket in popularity.[57] Historically, the United States and Britain have had control over the music industry but the internet and technology has allowed for diversification and local music to become more prominent throughout the world.[57] The technological advancements have allowed streaming services
to flourish that offer a wide variety of music without having to pay for each individual song/album.[61] The increase in Latin artists working with English speaking American artists has caused songs such as Ritmo by An American band, The Black Eyed Peas, and J Balvin, a Latin singer, to be number one on the billboard's Hot Latin Songs chart.
Rodriguez, Nelson (1 September 1998). Additionally, the problem of inner groove distortion, which plagued lateral cuts, could be avoided with the vertical cut system. 4 October 2019. BookRags.com. In fact, the system was undocumentedly introduced into the market by several East-German record labels since 1983.[67][68] Over 500 UC-encoded
titles were produced [67] without an expander becoming available to the public. (See Record collecting.) Many popular new albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records and older albums are given releases on vinyl records are given releas
grooves, it is not possible for an LP to reproduce as low frequencies as a CD. Salsa and Its Transnational Moves. The increased popularity of the record has led to the investment in new and modern record-pressing machines.[4] Only two producers of lacquers (acetate discs or master discs) remain: Apollo Masters in California, and MDC in Japan.[5]
On February 6, 2020, a fire destroyed the Apollo Masters plant. Prometheus Global Media. 63-64. ARChive of Contemporary Music, or "Would You Take My Mind Out for a Walk". when broken or scratched ... Small Signal Audio Design. Beginning in 1939, Dr. Peter Goldmark and his staff at Columbia Records and at CBS Laboratories undertook
efforts to address problems of recording and playing back narrow grooves and developing an inexpensive, reliable consumer playback system. p. 4: [...] In den 1980er Jahren wurden in der DDR vom VEB Deutsche Schallplatten unter dem Label ETERNA [de]
viele sehr gute Aufnahmen klassischer Musik veröffentlicht. Retrieved September 30, 2015. Numerama. "A Whole New Ball Game". Avant-Mier, Roberto (2010). Archived from the original on 2008-10-17. A b Leight, Elias (2018-11-15). A vant-Mier, Roberto (2010). Archived from the original on 2008-10-17.
the vertical plane were employed rather than the usual lateral cuts. Archived from the original on 2016-06-04. "Seeburg Background Music Move Part of Diversification Program". Despite the similarity of name, there is no documentary evidence that Edison's phonograph was based on Scott's phonautograph. Randy Collects. Emile Berliner with disc
record gramophone Lateral-cut disc records were developed in the United States by Emile Berliner (although Thomas Edison's original patent included flat disks), who named his system the "gramophone". Apollomasters.com. Damit
wurden beim Schneiden der Platte die leisen Töne etwas lauter und die lauten entsprechend leiser überspielt. Area, Peter Hugh (1958). London: British Library. "Carlos Santana: Biography". Vol. 115, no. 48. In the mid-1950s all record companies agreed to a common frequency response standard, called RIAA equalization. LP versus CD Further
information: Analog recording vs. NAK-100. "¡Viva Latino!". Over the years there were variations in the kinds of tape recorders used, such as the width and number of tracks employed, including 35 mm magnetic film technology. Although vinyl records are strong and don't break easily, they scratch due to its soft material sometimes resulting in
ruining the record. As this "orange peel" originates in the master rather than being introduced in the pressing stage, there is no ill effect as there is no physical distortion of the groove into a blank record. Ninth edition, Oxford
University Press, 1955. Pressing the LP Record by Ellingham, Niel, published at 1 Bruach Lane, PH16 5DG, Scotland. (1982). 1979. This format was soon dropped as it became clear that the RCA Victor 45 was the single of choice and the Columbia 12-inch LP would be the album of choice. [74] The first release of the 45 came in seven colors: black 47-
xxxx popular series, yellow 47-xxxx juvenile series, green (teal) 48-xxxx country series, deep red 49-xxxx classical series, bright red (cerise) 50-xxxx blues/spiritual series, green (teal) 48-xxxx international series, deep red 49-xxxx international series, bright red (cerise) 50-xxxx blues/spiritual series, green (teal) 48-xxxx international series, deep red 49-xxxx international series, deep red 49-xxxx blues/spiritual series, deep red 49-xxxx international series, deep red 49-x
which became the Canadian branch of RCA Victor, still exists. Modern anti-aliasing filters and oversampling systems used in digital recordings have eliminated perceived problems observed with very early CD players. In the 1920s, 78.26 rpm was standardized when stroboscopic discs and turntable edge markings were introduced to standardize the
speeds of recording lathes. ^ Frank Andrews; Arthur Badrock; Edward S. ^ Stavans, Ilan; Augenbraum, Harold (2005). Edison Disc Records always ran at 80 rpm. Archived from the original on 2013-05-10. Retrieved 2017-11-10. The old sound box with its needle-linked diaphragm was replaced by an electromagnetic pickup that converted the needle
vibrations into an electrical signal. Meinhardt, Käthe (ed.). A. You're Reading a Free Preview Pages 1703 to 1739 are not shown in this preview, RCA Victor introduced another system to reduce dynamic range and achieve a groove with less surface noise under the commercial name of Dynagroove. Suárez-Orozco, Marcelo (2008). Zur weiteren
Steigerung der Klangqualität wurde das UC-Kompandersystem (UC - Universal Compatible) eingesetzt. Including Spain, there are twenty-two predominantly Spanish-speaking countries, and there are many more styles of Latin music. Bbc.co.uk. Ashgate, 2012. [list fairly complete up to 1988] ^ Taffet, Jeffrey; Watcher, Dustin (2011). See more at
phonograph. Many longer sound recordings, such as complete operas, were interleaved across several 10-inch or 12-inch discs for use with auto-changing mechanisms, so that the first disk would carry sides 2 and 5, and the third, sides 3 and 4, allowing sides 1,
2, and 3 to be played automatically; then the whole stack reversed to play sides 4, 5, and 6. ISBN 978-0-19-515398-9. Additionally, turntable rumble and acoustic feedback obscures the low-end limit of vinyl but the upper end can be, with some cartridges, reasonably flat within a few decibels to 30 kHz, with gentle roll-off. By 1910, the 10-inch (25 cm)
record was by far the most popular standard, containing about three minutes of music or other entertainment on one side. (However, many monophonic styli had such low vertical compliance that they ploughed through the vertical modulation, destroying the stereo information. Retrieved 2008-06-12. The production of shellac records continued
throughout the 78 rpm era, which lasted until 1948 in industrialized nations, [27] but well into the 1960s in others. ^ Burr, Ramiro (January 5, 1991). RIAA. Nielsen. The CD version of the set (CDGRON180) does not contain the VinylVideo record.) ^ Riddle, Randy A. American record guide, p. Retrieved 20 July 2019. How to digitize gramophone
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records: Audacity Tutorial Actual list of vinyl pressing plants: vinyl-pressing plants: vin
Broadcasting Company since the mid-1930s. "The problem with how the music streaming industry handles data". Another problem arises because of the geometry of the tonearm. However, for accurate transfer, professional archivists carefully choose the correct stylus shape and diameter, tracking weight, equalisation curve and other playback
parameters and use high-quality analogue-to-digital converters.[99] As an alternative to playback with a stylus, a recording can be read optically, processed with software that calculates the velocity that the stylus would be moving in the mapped grooves and converted to a digital recording format. However the cheapest Electrola cost $650, in an era
when the price of a new Ford Model T was less than $300 and clerical jobs paid around $20 a week. ISBN 0-672-21983-2. The biggest boogaloo hit of the '60s was "Bang Bang" by the Joe Cuba Sextet in 1966. Miami New Times. thefreelibrary.com. "A Vinyl Farewell". Recollections guide to collectible LPs, volume 1, p. In reality German figures are
considered to be "a lot higher" due to smaller shops and online communities in Germany not using scanner cash registers.[117] One German record pressing company stated that they alone produce 2 million LPs each year.[157] In reality American figures are considered to be much higher, with one record store owner, in a New York Times article,
estimating that Nielson SoundScan only tracks "about 15 percent" of total sales due to bar codes, concluding that sales could now be as high as 20 million.[158][160] In Sweden, vinyl sales increased with 59% from 2011
figures.[163] In New Zealand, independent record stores in Auckland were reporting a five-fold increase in vinyl sales from 2007 to 2011.[164] In France, the SNEP said that LP sales were probably 1 million.[165] In United States, 67% of all vinyl album sales in 2012.
were sold at independent music stores.[166] Vinyl revenues were at the lowest point in its history in 2006, with a total trade value of $36 million. "Latin Music Is Reaching More Listeners Than Ever -- But Who Is Represented?". 38-40. ^ "Marktinformatie audio 2014 en voorgaande jaren". The use of vinyl pressings, increased length of programming
and general improvement in audio quality over 78 rpm records were the major selling points. ^ Cobo, Leila (September 10, 2014). Efforts were started in 1942 to standardize within the National Association of Broadcasters (NAB), later known as the National Association of Radio and Television Broadcasters (NARTB). record playing time. Describes a
software implementation of an UC expander as a program "UCExpander as a program "UCExpander as a prime example where such playback was expected. ISSN 1074-746X. Master recordings are cut on a recording lathe where a sapphire stylus moves
radially across the blank, suspended on a straight track and driven by a lead screw. Sound recording: the life story of a technology. Retrieved March 24, 2017. In 1951, at the beginning of the post-World War II high fidelity (hi-fi) popularity, the Audio Engineering Society (AES) developed a standard playback curve. RCA Victor's early introduction of a
long-play disc was a commercial failure for several reasons including the lack of affordable, consumer playback equipment and consumer rejection during that period (including RCA's own parched revenues), Victor's long-playing records were largely
discontinued by 1933. Retrieved October 28, 2015. Archived from the original on 2013-05-18. Berliner's records had poor sound quality compared to wax cylinders, but his manufacturing associate Eldridge R. In the UK, analog discs continued to be the preferred medium for the licence of BBC transcriptions to overseas broadcasters until the use of
CDs became a practical alternative. [10] (NB. Nielsen Business Media. [4][5][6][7][8] (NB. (1997). Latin Beat Magazine. The Fader. ^ Allain, Rhett (2014-07-11). The Capehart radio/phonographs of the era with large diameter electrodynamic loudspeakers, though not ideal, demonstrated this quite well with "home recordings" readily available in the
music stores for the public to buy. Decca in Britain used high-quality wide range condenser microphones for the Full Frequency Range Recording (FFRR) system c. It is notable, however, that one technical advantage with vinyl compared to the optical CD is that if correctly handled and stored, the vinyl record will be playable for decades and possibly
centuries,[86] which is longer than some versions of the optical CD.[87] For vinyl records to be playable for years to come, they need to be handled with care and stored properly. Billboard's Leila Cobo Knows". The electroformed nickel records are mechanically separated from their respective mandrels. Pepper's Lonely Hearts Club Band.[121]
According to the RIAA's midyear report in 2020, phonograph record revenues surpassed those of CDs for the first time since the 1980s.[122] Countries 2007 2008 2009 2010 2011 2012 Global Trade Value US$(SP & LP) $55m $66m $73m $89m $116m[123] Australia(SP & LP) 10,000 17,996[124] 10,000 19,608[125] 10,000 53,766[126] 13,677
39,644[127] 13,637 44,876[127] 21,623 77,934[128] Germany(SP & LP) 400,000[129] 700,000[117] 1,200,000[117] 1,200,000[117] 1,200,000[117] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 1,200,000[129] 
219,000 234,000 186,000 337,000[150] - 389,000[151] United States(LP) 988,000 1,880,000[152] 2,500,000[153] 4,600,000[153] 4,600,000[155] 4,600,000[155] 4,600,000[155] 4,600,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 389,000[150] - 3
a series of 78 rpm-mastered albums that were microgroove and pressed on vinyl (as opposed to traditional 78s, with their shellac composition and wider 3-mil sized grooves). You're Reading a Free Preview Pages 486 to 501 are not shown in this preview. Both the records and the machine were adequate only for use as a toy or curiosity, due to the
limited sound quality. In 1955, Mercury began three-channel stereo recordings, still based on the principle of the single microphone. Retrieved 2012-09-27. {{cite web}}: CS1 maint: archived copy as title (link) ^ See date. These could play for more than three and four minutes, respectively,
whereas contemporary cylinders could only play for about two minutes. Archived (PDF) from the original on 2017-02-17. Generally, 78s were 10-inch, but 12-inch and 7-inch and even smaller were made—the so-called "little wonders".[71] A standard wide-hole 7-inch vinyl record from 1978 on its sleeve Standard formats Diameter Finished Diameter
Name Revolutions per minute Approximate duration 16 in (41 cm) 15+15/16" ±3/32" Transcription disc 33+1/3 rpm 15 min/side 12 in (30 cm) 11+7/8" ±1/32" LP (Long Play) 33+1/3 rpm 22 min/side Maxi Single, 12-inch single 45 rpm 15 min/side 12 in (30 cm) 11+7/8" ±1/32" LP (Long Play) 33+1/3 rpm 15 min/side 12 in (30 cm) 11+7/8" ±1/32" LP (Long Play) 33+1/3 rpm 15 min/side Maxi Single, 12-inch single 45 rpm 15 min/side Maxi Single 45 rpm 15 
on a heavy brown paper base. The sales record was previously held by Jack White who sold 40,000 copies of his second solo release, Lazaretto, on vinyl in 2014. Since the system was designed with playback compatibility of records on equipment without a CX decoder in mind, the maximum achievable noise reduction was limited to about 20 dB(A).
Rock the Nation: Latin/o Identities and the Latin Rock Diaspora. ^ Tito Puente biography. The RCA Victor New Orthophonic curve was within the tolerances for the NAB/NARTB, Columbia LP, and AES curves. 6 February 2020. ^ a b c d e f g h "From reggaeton to riches: inside Latin music's global takeover". ^ "CUMULATIVE SALES: January 2020. ^ a b c d e f g h "From reggaeton to riches: inside Latin music's global takeover". ^ "CUMULATIVE SALES: January 2020. ^ a b c d e f g h "From reggaeton to riches: inside Latin music's global takeover". ^ "CUMULATIVE SALES: January 2020. ^ a b c d e f g h "From reggaeton to riches: inside Latin music's global takeover". ^ "CUMULATIVE SALES: January 2020. ^ a b c d e f g h "From reggaeton to riches: inside Latin music's global takeover". ^ "CUMULATIVE SALES: January 2020. ^ a b c d e f g h "From reggaeton to riches: inside Latin music's global takeover". ^ "CUMULATIVE SALES: January 2020. ^ a b c d e f g h "From reggaeton to riches: inside Latin music's global takeover". ^ "CUMULATIVE SALES: January 2020. ^ a b c d e f g h "From reggaeton to riches: inside Latin music's global takeover". ^ "CUMULATIVE SALES: January 2020. ^ a b c d e f g h "From reggaeton to riches: inside Latin music's global takeover". ^ "CUMULATIVE SALES: January 2020. ^ a b c d e f g h "From reggaeton to riches: inside Latin music's global takeover". ^ "CUMULATIVE SALES: January 2020. ^ a b c d e f g h "From reggaeton to riches: inside Latin music's global takeover". ^ "CUMULATIVE SALES: January 2020. ^ a b c d e f g h "From reggaeton to riches: inside Latin music's global takeover". ^ "CUMULATIVE SALES: January 2020. ^ a b c d e f g h "From reggaeton to riches: inside Latin music's global takeover". ^ "CUMULATIVE SALES: January 2020. ^ a b c d e f g h "From reggaeton to riches: inside Latin music's global takeover". ^ "CUMULATIVE SALES: January 2020. ^ a b c d e f g h "From reggaeton to riches: January 2020. ^ a b c d e f g h "From reggaeton to riches: January 2020. ^ a b c d e f g h "From reggaeton to riches:
December 2008" (PDF). De artister som säljer mest är oftast äldre artister och skivor. 78 rpm recording time of a phonograph record depends on the available groove length divided by the turntable speed. Miller in 1934 reported that when complementary boost at the turnover point was used in radio broadcasts of records, the
reproduction was more realistic and many of the musical instruments stood out in their true form. radio fernsehen elektronik (rfe) (in German). Die gewinnbringende Nutzung des UC-Kompanderverfahrens stellt den Anwender vor ein kaum lösbares Problem, da die ökonomischen Rahmenbedingungen und die zentrale Planung der Geräteentwicklung
in der DDR die Herstellung eines Serienproduktes untergruben. In the US there were more varied practices and a tendency to use higher bass turnover frequencies such as 500 Hz as well as a greater treble rolloff like -8.5 dB and even more to record generally higher modulation levels on the record. The technique was marketed by RCA Victor as the
Dynaflex (125 g) process, but was considered inferior by most record collectors. [80] Most vinyl records are pressed from a mix of 70% virgin and 30% recycled vinyl. Carrier signals of Quad LPs popular in the 1970s were at 30 kHz to be out of the range of human hearing. ^ Valdes-Rodriguez, Alisa (September 12, 2000). ^ "Increase in vinyl sales
helps independent music stores". Retrieved 2021-05-06. Since its inception in 1948, vinyl record standards for the United States follow the guidelines of the Recording Industry Association of America (RIAA).[79] The inch dimensions are nominal, not precise diameters. Morrison describes as a "metallic soap", containing lead litharge, ozokerite,
barium sulfate, montan wax, stearin and paraffin, among other ingredients. Prestige Records released jazz records in this format in the late 1950s; for example, two of their Miles Davis albums were paired together in this format in the late 1950s; for example, two of their Miles Davis albums were paired together in this format. "Back in the groove". 1037 §27.9.4. ISBN 0-672-21983-2 ^ "Archived copy". ^ "How To Organize Vinyl Records: Tips
Tricks & Suggestions". The dynamic or moving coil microphone was introduced around 1930 and the velocity or ribbon microphone in 1932. Forbes. ^ "ARIA releases 2007 wholesale music sales figures". Archived from the original on 2017-02-02. It was not unusual for electric recordings to be played back on acoustic phonographs. "1992
International Buyer's Guide to Latin Music". The exponential horn was replaced by an amplifier and a loudspeaker. Archived (PDF) from the original on 2016-06-17. "Latin Sales Down Slightly In 2011, Digital Latin Sales Up". Magnetic pickups became more common and were better designed as time went on, making it possible to improve the damping
of spurious resonances. "One Little Word, Yet It Means So Much". A record cutter would engrave the grooves into the master disc. This led to the common recommendation never to use a mono cartridge on a stereo record.) Conversely, a stereo cartridge reproduces the lateral grooves of monophonic recording equally through both channels, rather
than one channel; equally balanced reproduction, because each channel has equal fidelity (not the case, e.g., with a higher-fidelity recorded channel); and, higher fidelity in general, because the "difference" signal is usually of low amplitude and is thus less affected by the greater intrinsic
distortion of vertical recording. Retrieved August 7, 2015. In the late 1930s, radio advertisements and pre-recorded radio programs being sent to disc jockeys started being pressed in vinyl, so they would not break in the mail. (2007). By about 1910,[note 1] bound collections of empty sleeves with a paperboard or leather cover, similar to a photograph
album, were sold as record albums that customers could use to store their records (the term "record album" was printed on some covers). Wiley-Interscience. However, yellow and deep red were continued until about 1952.[75] The first 45 rpm record created for sale was "PeeWee the Piccolo" RCA Victor 47-0147 pressed in yellow translucent vinyl at
the Sherman Avenue plant, Indianapolis on December 7, 1948, by R. It is discernible by some listeners throughout certain recordings, but a quiet passage followed by a loud sound will allow anyone to hear a faint pre-echo of the loud sound will allow anyone to hear a faint pre-echo of the loud sound occurring 1.8 seconds ahead of time.[92] This problem can also appear as "post"-echo, with a tinny ghost of the loud sound occurring 1.8 seconds ahead of time.
sound arriving 1.8 seconds after its main impulse. Archived from the original on 2007-09-28. It notes that: The speed when the machine was running so that the records, on reproduction, could be revolved at exactly the same speed...The literature does not disclose why 78 rpm was
chosen for the phonograph industry, apparently this just happened to be the speed created by one of the early machines and, for no other reason continued to be used.[17] A multinational product: an operatic duet sung by Enrico Caruso and Antonio Scotti, recorded in the US in 1906 by the Victor Talking Machine Company, manufactured c. 1908 in
Hanover, Germany, for the Gramophone Company, Victor's affiliate in England In 1912, the Grammophone Company set 78 rpm as their recording standard, based on the average of recording standard standard, based on the average of recording standard stan
standardized across the industry. 2012-09-21. Peyton's Big Damn Band". LPGRON180. Vom VEB Deutsche Schallplatten der Marken Eterna [de] und Amiga veröffentlicht. ^ Holston, Mark (September 1, 1995). 2010-03-24. ^ "Search Method: Retrieve a
 Single Document or Folder/Volume - The Edison Papers". In 1932, RCA began using Victrolac in a home recording system. He wanted to cry but could not." A poignant moment in J. ^ O'Neil, Brian (2005). ^ "RIAA 2015 Year-End Latin Sales & Shipments Data Report". Some recordings, such as books for the blind, were pressed for playing at
16+23 rpm. The blank records for cutting used to be cooked up, as needed, by the cutting engineer, using what Robert K. Latina Legacies. Third edition, International Electrotechnical Commission, 1987. Naxos.com. Archived from the original (PDF) on 2013-05-09, premier-recordsinc.com. The record diameters are typically nominally 300 mm
250 mm and 175 mm. Each record held 40 minutes of music per side, recorded at 420 grooves per inch.[54] The commercial rivalry between RCA Victor and Columbia Records led to 
many 7-inch 33+1/3 rpm vinyl singles in 1949, but were dropped in early 1950 due to the popularity of the RCA Victor 45.[72][full citation needed] The EP Extended Play 33+1/3 rpm 7-inch disc, which typically contained two selections (tracks) on each side, was incompatible with existing jukeboxes and unsuccessful when introduced in the U.S. in the
1960s, but was common in Europe and other parts of the world. Archived from the original on 2006-09-25. Various mechanisms were devised in attempts to compensate, with varying degrees of success. This was in spite of some carbon microphones used, which had resonances that colored tone. [...] (NB. "Double-sided records". The LP
is delicate. 2011-10-23. It's been said to be less noisy, which really has more to do with the grade of vinyl." ^ "Archived copy". Production of stereo tape masters and the stereo LP in 1958 brought significant improvements in records of vinyl." ^ "Archived copy". Production of 78 rpm records of vinyl." ^ "Archived copy". Production of stereo tape masters and the stereo LP in 1958 brought significant improvements in records of vinyl." ^ "Archived copy". Production of 78 rpm records of vinyl." ^ "Archived copy". Production of 78 rpm records of vinyl." ^ "Archived copy". Production of 78 rpm records of vinyl." ^ "Archived copy". Production of stereo tape masters and the stereo tape master tape maste
including equalization data for different makes of 78s and LPs. The Secret Society of Lathe Trolls, a site devoted to all aspects of the making of Gramophone records. The tone arm now served to conduct a pair of wires, not sound waves, into the cabinet. Andra populära artister är Beatles, Led Zeppelin och Adele." - or in English - "More and more buy
vinyl records. RCA Victor was using "new orthophonic", whereas Columbia was using the LP curve. EP discs were cheaper to produce and were used in cases where unit sales were likely to be more limited or to reissue LP albums on the smaller format for those people who had only 45 rpm players. Shorter transcriptions were often cut at 78 rpm.
Problems playing this file? A.biglobe.ne.jp. Archived from the original on 2016-06-24. Encoded disks were recorded with the dynamic range compressed by a factor of two: quiet sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain at loud sounds were meant to be played back at low gain and loud sounds were meant to be played back at low gain at loud sounds were meant to be played back at low gain at loud sounds were meant to be played back at low gain at loud sounds were meant to be played back at low gain at loud sounds were meant to be played back at low gain at loud sounds were meant to be played back at low gain at loud sounds were meant to be played back at low gain at loud sounds were meant to be played back at low gain at loud
reduced the effect of surface noise on quiet passages. This is because for disc jockeys ("DJs"), vinyl has an advantage over the CD: direct manipulation of the medium. digital disc was introduced.[93] Vinyl records are still prized by some for their
reproduction of analog recordings, despite digital being more accurate in reproducing an analog or digital recording an analog or digital recording an analog or digital recording an analog or digital being more accurate in reproducing an analog or digital recording analog or digital recording an analog or digital recording an analog or dig
The result is High-Com II, the world's finest two-band noise-reduction system. Only one disc actually saw release, Randy Newman's "I Think It's Going to Rain Today", a track from his self-titled debut album (with "The Beehive State" on the flipside).[41] Reprise did not proceed further with the series due to a lack of sales for the single, and a lack of
general interest in the concept.[42] In 1978, guitarist and vocalist Leon Redbone released a promotional 78 rpm record featuring two songs ("Alabama Jubilee" and "Please Don't Talk About Me When I'm Gone") from his Champagne Charlie album.[43] In 1980, Stiff Records in the United Kingdom issued a 78 by Joe "King" Carrasco containing the
songs "Buena" (Spanish for "good," with the alternate spelling "Bueno" on the label) and "Tuff Enuff". Original hole diameters were 0.286" ±0.001" for 33+1/3 and 78.26 rpm records, and 1.504" ±0.002" for 45 rpm records flexi discs were thin flexible records that were
distributed with magazines and as promotional gifts from the 1980s. p. 10. 10 September 2020. There is a theory that vinyl records can audibly represent higher frequencies than compact discs, though most of this is noise and not relevant to human hearing. At the very end of this section the groove joins itself to form a complete circle,
called the lock groove; when the stylus reaches this point, it circles repeatedly until lifted from the record. The one-molecule-thick coating of silver (that was sprayed onto the processed lacquer sound disc in order to make its surface electrically conductive) reverse-plates onto the nickel record's face. A way of reducing resonance was to wrap the
recording horn with tape.[19] Lower-pitched orchestral instruments such as cellos and double basses were often doubled (or replaced) by louder instruments, such as tubas. Vinyl's lower surface noise level than shellac was not forgotten, nor was its durability. For example, Columbia Records' last reissue of Frank Sinatra songs on 78 rpm records was
an album called Young at Heart, issued in November, 1954.[52] As late as the early 1970s, some children's records were released at the 78 rpm speed. Non-fill makes itself known as a tearing, grating or ripping sound. Stereophonic sound stereophonic stereophonic stereophonic stereophonic stereophonic stereophonic stereophonic stereophonic stereophonic st
spatial locations of sound sources in the horizontal plane, was the natural extension to monophonic recording, and attracted various alternative engineering attempts. In 1961, Mercury enhanced this technique with three-microphone stereo recordings using 35 mm magnetic film instead of 1/2-inch tape for recording. Kunstsoffe-international.com. The
groove usually starts near the periphery and ends near the center of the disc. 1993, 2001, 2007; Gramophone Adventures, Portage, MI. "A look at contemporary Merengue. As the RIAA curve was essentially an American standard, it had little impact outside the USA until the late 1970s when European recording labels began to adopt the RIAA
equalization. Sun-Sentinel. this means the record SKIPS its groove ^ Department of Health and Human Services, Public Health Service. ^ Souvignier, Todd (2004). Retrieved 2014-07-11. From Tinfoil to Stereo: The Acoustic Years of the Recording Industry, 1877-1929. At the start of a groove on an LP there are 510 mm of vinyl per second traveling the start of a groove on an LP there are 510 mm of vinyl per second traveling the start of a groove on an LP there are 510 mm of vinyl per second traveling the start of a groove on an LP there are 510 mm of vinyl per second traveling the start of a groove on an LP there are 510 mm of vinyl per second traveling the start of a groove on an LP there are 510 mm of vinyl per second traveling the start of a groove on an LP there are 510 mm of vinyl per second traveling the start of a groove on an LP there are 510 mm of vinyl per second traveling the start of a groove on an LP there are 510 mm of vinyl per second traveling the start of a groove on an LP there are 510 mm of vinyl per second traveling the start of a groove of the groove of the start of a groove of the start o
past the stylus while the ending of the groove gives 200-210 mm of vinyl per second — less than half the linear resolution. [85] Distortion towards the end of the side is likely to become more apparent as record wear increases. 20 December 2013. It also affects tonality because the stylus is pressed alternately against one groove wall and then the
other, making the frequency response change in each channel. Soderbergh, p. A typical 12-inch LP record 78 rpm video (0:11) Play media Video of a 1936 spring-motor-driven 78 rpm acoustic (non-electronic) gramophone playing a shellac record. pp. 41-42. Ruhlmann, William (2003). In March 1949, as RCA Victor released the 45, Columbia
released several hundred 7-inch, 33+1/3 rpm, small-spindle-hole singles. A similar scheme aiming at the high-end audiophile market, and achieving a noise reduction system being adapted to vinyl in 1979. Record companies also deleted many vinyl titles from
production and distribution, further undermining the availability of the format and leading to the closure of pressing plants. All of these were phased out in mid-1932. The Garland handbook of Latin American music (2nd ed.). ^ Lannert, John (June 21, 1997). University Press of Florida. It eventually became the technical predecessor to the RIAA curve
Clir.org. "Reconstruction of mechanically recorded sound by image processing" (PDF). The Record Collectors Guild. These problems can be reduced by using equalization to an agreed standard. The stylus is in contact with the surface. The large center hole on 45s allows easier handling by jukebox mechanisms. CD-4 LPs contain two sub-carriers, one
in the left groove wall and one in the right groove wall. 118 ^ The New York Times (1925-10-07). ^ "Despite Pandora & Spotify, total U.S. music sales grew in 2012 - VentureBeat - Media - by Tom Cheredar". Retrieved 11 June 2020. Some 12 inch LPs were cut at 45 rpm claiming better quality sound, but this practice was short-lived. Equalization Due
to recording mastering and manufacturing limitations, both high and low frequencies were removed from the first recorded signals by various formulae. These recordings use a bass turnover of 300 Hz and a 10,000 Hz rolloff of -8.5 dB. ^ Henderson, Alex. Wiley. "inFact: Vinyl vs Digital". The number one vinyl LP sold was the re-release of The
Beatles' Sgt. Hifi-Museum. repeating the same music or words over and over again ^ Deb Amlen (2011-10-07). "Das UC-Kompandersystem" (PDF) from the original on 2016-06-11. Noise reduction systems were also used in tape mastering of some LPs, as well as in the LP itself. Heretofore, electrical recording technology from
company to company was considered a proprietary art all the way back to the 1925 Western Electric licensed method used by Columbia and Victor. A decade later, Edison developed a greatly improved phonograph that used a hollow wax cylinder instead of a foil sheet. The short playing time of a single 45 rpm side meant that long works, such as
symphonies, had to be released on multiple 45s instead of a single LP, but RCA Victor claimed that the new high-speed changer rendered side breaks so brief as to be inaudible or inconsequential. ^ Fritz, Jose. The first disk recordings between 1887 and
1900. An 8-inch (20 cm) disc with a 2-inch (50 mm)-diameter label became popular between 1927 and about 1935[30] in Britain, but those records cannot track far enough toward the center of the record without modifying the equipment. ^ Copeland, Peter (2008). In order to
convert to a digital sound file, this is then played by a version of the same 'virtual stylus' programs. The adapter could be a small solid circle that fit onto the bottom of the spindle (meaning only one 45 could be played at a
time) or a larger adapter that fit over the entire spindle, permitting a stack of 45s to be played.[51] RCA Victor 45s were also adapted to the smaller spindle of an LP player with a plastic snap-in insert known as a "spider".[51] These inserts, commissioned by RCA president David Sarnoff and invented by Thomas Hutchison,[56] were prevalent starting
in the 1960s, selling in the tens of millions per year during the 45 rpm heyday. However, it was not until the mid-to-late 1960s that the sales of stereophonic LPs overtook those of their monophonic equivalents, and became the dominant record type. Newswire.co.nz. ^ a b c Arbona-Ruiz, Marisa. Equipment of modest quality is relatively unaffected by
these issues, as the amplifier and speaker will not reproduce such low frequencies, but high-fidelity turntable assemblies need careful design to minimize audible rumble. 1977 ISBN 0-304-29904-9 Where Have All the Good Times Gone?: The Rise and Fall of the Record Industry Louis Barfe. The average human auditory system is sensitive to
frequencies from 20 Hz to a maximum of around 20,000 Hz.[95] The upper and lower frequency limits of human hearing vary per person. For a two-year period from 1948 to 1950, record companies and consumers faced uncertainty over which of these formats would ultimately prevail in what was known as the "War of the Speeds" (see also Format
 war). Kitchener - Waterloo Record - Kitchener, Ont., January 9, 1991. Retrieved October 30, 2014. Also in 1906, a short-lived British firm called Neophone marketed a series of some operatic overtures and shorter pieces. Macmillan. Subsequently, the 16+2/3 rpm speed was used
very dry climates, this can happen several times per minute. The 45 rpm discs typically emulated the playing time of the former 78 rpm discs, while the 12-inch LP discs eventually provided up to one half-hour of recorded material per side. Limitations in the disc cutting part of the process later generated the idea that half-speed mastering would
improve quality (in which the source tape is played at half-speed and the lacquer-aluminium disc cut at 16+2/3 rpm rather than 33+1/3 rpm). Archived from the original on 2013-01-28. At the beginning of the 20th century, the early discs played for two minutes, the same as cylinder records.[31] The 12-inch disc, introduced by Victor in 1903,
increased the playing time to three and a half minutes.[32] Because the standard 10-inch 78 rpm record could hold about three minutes of sound per side, most popular recordings were limited to that duration.[33] For example, when King Oliver's Creole Jazz Band, including Louis Armstrong on his first recordings, recorded 13 sides at Gennett
Records in Richmond, Indiana, in 1923, one side was 2:09 and four sides were 2:52-2:59.[34] In January 1938, Milt Gabler started recording for Commodore Records, and to allow for longer continuous performances, he recorded some 12-inch discs. Common household wallplate SCR dimmers sharing AC lines may put noise into the playback, as can
record[63] is known to have been produced in this format. Archived from the original on 2016-04-20. At the height of the mambo movement in 1955, Pérez hit the American charts at number one with a cha-cha-chá version of "Cherry Pink and Apple Blossom White".[30] El manisero, known in English as The Peanut Vendor, is a Cuban son-pregón
composed by Moisés Simons. 45 rpm vinyl record from 1965 The 45 rpm discs also came in a variety known as extended play (EP), which achieved up to 10-15 minutes play at the expense of attenuating (and possibly compressing) the sound to reduce the width required by the groove. From about 1950 on (earlier for some large record companies,
heard music with any soul to it produced by a mechanical talking machine ... The Mercury Living Presence recordings were remastered to CD in the 1990s by the original producer, Wilma Cozart Fine, using the same method of three-to-two mix directly to the master recorder. (April 2018) A DJ mixing vinyl records with a DJ mixer at the Sundance
Film Festival in 2003 Groove recordings, first designed in the final quarter of the 19th century, held a predominant position for nearly a century—withstanding competition from the original on 2015-05-08. Quadraphonic records The development of q
 was announced in 1971. Records could be laid on a shelf horizontally or stood on an edge, but because of their fragility, breakage was common. Musicinthemail.com. Si te quieres por el pico divertir: historia del pregón musical latinoamericano. Recollections. Cool78s.com. ^ Columbia record catalog Aug 1949 ^ The Fabulous Victrola 45 Phil Vourtsis
 ^ Indiana State Museum document no. Retrieved 2013-04-13.{{cite web}}: CS1 maint: archived copy as title (link) ^ "Revival on the Black Market: Editorial". Electron micrograph of vinyl record grooves Towards the center, at the end of the groove, there is another wide-pitched section known as the lead-out. Also during this period, half-speed
mastered and "original master" records were released, using expensive state-of-the-art technology. Generally, the outer and inner parts of the groove bear no intended sound (exceptions include the Beatles' Sgt. By the end of 1957, RCA Victor announced that 78s accounted for less than 10% of Presley's singles sales, confirming the demise of the
78 rpm format. ^ "Lothar Scholz: Phonomarkt" (PDF). In the mid-1940s, special DJ copies of records started being made of vinyl also, for the same reason. It also used the earlier advanced method of forward-looking control on groove spacing with respect to volume of sound and position on the disk. In countries outside the U.S., 45s often had therefore the use of the same reason. It also used the earlier advanced method of forward-looking control on groove spacing with respect to volume of sound and position on the disk. In countries outside the U.S., 45s often had therefore the use of the
smaller album-sized holes, e.g., Australia and New Zealand, or as in the United Kingdom, especially before the 1970s, the disc had a small hole within a circular central section held only by three or four lands so that it could be easily punched out if desired (typically for use in jukeboxes). Skylark: The Life and Times of Johnny Mercer. [...] Listen
especially for the dramatic reduction in surface noise on this High-Com II encoded record. Other popular artists are Beatles, Led Zeppelin and Adele" (a screenshot of the teletext page exist and can be uploaded, if allowed at Commons and if requested). In the mid-2000s, gradually, records made of any material began to be called vinyl disc records
also known as vinyl records or vinyl for short. ^ Tony Glover (2006-05-14). ^ Sources vary on the actual dates. When the record was improved and the programming sounded more lifelike. It is also possible to put a slight pressure on the headshell causing the stylus to stay in
the desired groove, without having a playback break. Otherwise, bass modulation became excessive and overcutting took place into the next record groove. 2 (1921-1923)". Retrieved 2015-05-07. Michael Greene, former head of NARAS, said that the process of creating the Latin Grammy Awards was complicated due to the diverse Latin musical
styles, noting that the only thing that the only thing they had in common was language. The vinyl records, which were made of shellac. p. 466. Latin America and the United States: A Documentary History (2nd ed.). You're Reading a Free Preview Pages 614 to
625 are not shown in this preview. Retrieved 2011-12-19. [1:00], Side B: S.M.A. Sextet (Sherman Martin Austin): 1. Overlooking mainstay artists in catch-all genre terms such as Latin music, potentially causing a categorical homogenization of musical styles; incorrectly miscategorizing musicians and songs from heritage styles, such as Norteño, New
Mexico music, Duranguense, and Tejano music, leading to underperformance of these styles on their platforms.[63][64][65][66] See also Latin music by year References ^ Morales, Ed (2003). Early versions of these master
discs were soft wax, and later a harder lacquer was used. Records made in other countries are standardized by different organizations, but are very similar in size. A picture of a hand-cranked 1898 Berliner Gramophone shows a governor, and says that spring drives had replaced hand drives. ^ Llewellyn, Howell (November 25, 1995). On some
recordings (for example Sgt. [but] the article of today is so far in advance of the old machines as hardly to admit classification under the same name. ^ "2012 ARIA Yearly Statistics" (PDF). Vol. 2. ^ Candelaria, Cordelia (2004). Edison.rutgers.edu. p. 50. Harvest of Empire: A History of Latinos in America. ISBN 9781138275201. Collectors store their
records in a variety of boxes, cubes, shelves and racks. [88] Frequency response and noise In 1925, electric recording (168-2,000 Hz) by 2+1/2 octaves to 100-5,000 Hz. Even so, these early electronically recorded frequency range from acoustic recording (168-2,000 Hz) by 2+1/2 octaves to 100-5,000 Hz.
for reproduction. ^ Hepworth, Shelley (1 January 2020). pp. 873-882, 897. According to the author he later also developed an improved version utilizing more modern ICs.) ^ a b Wonneberg, Frank (2000). NME.COM. The covers of these bound books were wider and taller than the records inside, allowing the record album to be placed on a shelf
upright, like a book, suspending the fragile records above the shelf and protecting them. LP albums could be purchased one EP at a time, with four items per EP, or in a boxed set with three EPs or twelve items. These were all 78 rpm. Nur in der Gravur zwischen den Auslaufrillen kann man am angehängten U den Einsatz des Kompressors erkennen
[...] Das vorliegende Programm erfüllt die Aufgabe eines UC-Expanders, mit dem Sie eine im wav-format digitalisierte Schallplattenaufnahme bearbeiten können, um nun endlich den Klang genießen zu können, den Sie damals erworben haben. p. 195. To claim that the records have succeeded in exact and complete reproduction of all details of
symphonic or operatic performances ... Retrieved 2012-11-21. [...] Unlike simple companders, High-Com II is optimized different frequencies. Production by this latter method, known as the "two-step process" (as it does not entail creation of "sons" but does involve creation of "mothers", which are used
for test playing and kept as "safeties" for electroforming future "sons") is limited to a few hundred vinyl pressings. ^ Furia, Philip (2004). The catalog number and stamper ID is written or stamped in the space between the groove in the lead-out on the master disc, resulting in visible recessed writing on the final version of a record. Electrical
transcriptions and 78s were first used as sources to master LP lacquer-aluminium cuts in 1948. 2015-12-30. Retrieved 7 July 2019. Wanamaker's ad in The New York Times, January 16, 1926, p. The earliest rotation speeds varied considerably, but from 1900 to 1925 most records were recorded at 74-82 revolutions per minute (rpm). p. 254. "These arrives are recorded at 74-82 revolutions per minute (rpm). p. 254.
basic measurement behind those grams is thickness. The wax phonograph cylinder created the recorded sound market at the end of the 1880s and dominated it through the early years of the 20th century. For example, what Brunswick-Balke-Collender (Brunswick Corporation) did was different from the practices of Victor. The 'phonograph tone' is
eliminated by the new recording and reproducing process. [25] Gradually, electrical reproduction entered the home. 1992; Gramophone Adventures, Portage, MI. The recording speed was 33+1/3 rpm, originally used in the Western Electric/ERPI movie audio disc system implemented in the early Warner Brothers' Vitaphone "talkies" of 1927. ^ a b
Flores, Juan; Rosaldo, Renato (2007). p. 63. ^ Kreps, Daniel (2009-01-08). Various other laser-based turntables were tried during the 1990s, but while a laser reads the groove very accurately, since it does not touch the record, the dust that vinyl attracts due to static electric charge is not mechanically pushed out of the groove, worsening sound
quality in casual use compared to conventional stylus playback.[citation needed] In some ways similar to the laser turntable is the IRENE scanning machine for disc records, which images with microphotography, invented by a team of physicists at Lawrence Berkeley Laboratories. ^ Olsen, Dale; Sheehy, Daniel E. April 2, 2013. Pepper's Lonely Hearts
Club Band and Split Enz's Mental Notes). A phonograph disc record, dis
early phonograph systems and radio transcription discs, as well as some entire albums, the direction of the groove is reversed, beginning near the center of the disc and leading to the outside. So is turntable rumble. p. 94. ^ "U.S. Vinyl Record Sales May Be 6X Higher Than Soundscan Reports". Red lines mark one millimeter. Third Edition. AllMusic.
Please help update this article to reflect recent events or newly available information. Retrieved March 21, 2015. LiveAbout. ISBN 978-0-7391-6058-9. 558: "The phrase 'sounding like a broken record' has been used to describe a person who says the same thing over and over again; the reference is to old records that would skip and repeat owing to
scratch marks on the vinyl." ^ "Comparative tables for 30 cm LP Standards". Retrospective box set containing 5 LPs (compilation), 1 DVD-V, 1 VinylVideo 7"-single ("Fragrance", "Holger on his first video recording", "Holger and Jaki"), a digital audio download code and a booklet. Continuum Publishing Corporation. Da Capo Press ed.). For other uses,
see Broken Record (disambiguation). This brought greater dynamic range to tape mastering, combined with low noise and distortion, and freedom from drop outs as well as pre- and post-echo. Finally, the 12-inch (30 cm) Long Play (LP) 33+1/3 rpm microgroove record album was introduced by Columbia Records at a New York press conference on
June 18, 1948. Haber (2003). 1991. ISBN 0-9634921-3-6 Scholes, Percy A. (Originally published 1947) ^ Back cover notes, "Jammin' at Commodore With Eddie Condon and His Windy City Seven...", Commodore With Eddie Condon and His Windy City Seven...", Commodore Jazz Classics (CD), CCD 7007, 1988 ^ "HITS OF THE 1920s, Vol. See media help. The last part of the spiral meets an earlier part to form a
circle. Despite this, is it still a small part of the total record sale. Stehle. The normal commercial disc is engraved within the outer cardboard cover so that the opening was entirely within the outer cover, was said to
reduce ingress of dust onto the record surface. The Sydney Morning Herald. ^ "Little Wonder Records, Bubble Books, Emerson, Victor, Harper, Columbia, Waterson, Berlin and Snyder". Victor and Columbia licensed the new electrical system from Western Electric and recorded the first electrical discs during the Spring of 1925. The Business
Online.com. All 8-inch discs have such stamps on them. Around 1953 the standard LP had proven itself to Nunn and he switched to 33+1/3 rpm and began using art slicks on a more standard cardboard sleeve. Metrication Matters. Through the 1960s, various methods to improve the dynamic range of mass-produced records involved records records involved records records records involved records recor
highly advanced disc cutting equipment. RouteNote Blog. Archived from the original (PDF) on 2010-06-02. Zum Glück, denn es hätte sowieso nur einen Plattenspieler gegeben, der über eine entsprechende Schaltung verfügte und der war sehr teuer. p. 353. ISBN 978-1-4094-4027-7. Therefore, it was necessary to attenuate the bass frequencies below
about 250 Hz, the bass turnover point, in the amplified microphone signal fed to the recording head. This space is clearly visible, making it easy to find a particular track. Theregister.co.uk. Magnified groove. A further limitation of the gramophone record is that fidelity steadily declines as playback progresses; there is more vinyl per second available
for fine reproduction of high frequencies at the large-diameter beginning of the groove than exist at the smaller diameters close to the end of the side. In late 1945, RCA Victor began offering "De Luxe" transparent red vinyl pressings of some Red Seal classical 78s, at a de luxe price. Audio response was claimed out to 8,000 Hz, later 13,000 Hz, using
light weight pickups employing jeweled styli. Archived from the original on 2012-01-05. Latin music surpassed Country and EDM in terms of album sales in the US to adopt certain styles from Latin music from the original on 2018.[57] This trend has caused pop music in the US to adopt certain styles from Latin music from the original on 2018.[57] This trend has caused pop music in the US to adopt certain styles from Latin music from Latin music from Latin music from the original on 2018.[57] This trend has caused pop music in the US to adopt certain styles from Latin music from La
niche in the future as record labels focus on products in industries with a greater concentration of money.[62] Miscategorization Numerous computer science and music experts have reported a common error on streaming services such as Spotify. In 1931, RCA Victor introduced vinyl plastic-based Victrolac as a material for unusual-format and
special-purpose records. With CDs or compact audio cassettes one normally has only indirect manipulation options, e.g., the play, stop, and pause buttons. ISBN 978-0-313-32215-0. In the 78 era, classical-music and spoken-word items generally were released on the longer 12-inch 78s, about 4–5 minutes per side. Vol. 36, no. 9. Ramiro Burr of
Billboard noted that the contest was considered to be the "largest and most prestigious songwriting festival in the Latin music world".[41] 1980s Main article: 1980s, the Latin music world".[41] 1980s Main article: 1980s Main 
became popular with recording studios. ^ Zuel, Bernard (2009-01-24). The phonograph record has made a niche resurgence as a format for rock music in the US in 2014, a 260% increase since 2009.[2] Likewise, sales in the UK increased five-fold from 2009 to 2014.[3] As of 2017, 48 record
pressing facilities remain worldwide, 18 in the US and 30 in other countries. Retrieved 2012-09-26. "They put Louis about fifteen feet over in the corner, looking all sad." [20] Electrical recording An electronically recorded disc from Carl Lindström AG, Germany, c. 1930 During the first half of the 1920s, engineers at Western Electric, as well as
independent inventors such as Orlando Marsh, developed technology for capturing sound with a microphone, amplifying it with vacuum tubes, then using the amplified signal to drive an electromechanical recording head. Fania Records was credited for popularizing salsa music, with acts such as Rubén Blades, Héctor Lavoe, and Celia Cruz expanding
the audience.[39] In the late 1970s, an influx of balladeers from Spain such as Julio Iglesias, Camilo Sesto, and Raphael established their presence on the music charts both in Latin America and the US Latin market.[40] In 1972, OTI Festival was established by the Organización de Telecomunicaciones de Iberoamérica as a songwriting contest to
connect the Ibero-American countries (Latin America, Spain, and Portugal) together. ISBN 0-19-858159-9. The recording could be played back immediately. Archived from the original on 2017-01-04. After 1949 a variety of improvements in recording and playback technologies, especially stereo recordings, which became widely available in 1958, gave
a boost to the "hi-fi" classification of products, leading to sales of individual components for the home such as amplifiers, loudspeakers, phonographs, and tape players. [59] High Fidelity and Audio were two magazines that hi-fi consumers and engineers could read for reviews of playback equipment and recordings. Stereo finally lost its previous
experimental status, and eventually became standard internationally. Voigt (1940) showed that the early Wente-style condenser microphones contributed to a 4 to 6 dB midrange brilliance or pre-emphasis in the recording chain. 0D03897A, O-800820B. The trend to buy vinyl records continues. There is no residual hiss; the ticks, pops, and crackles
that mar conventional discs are absent. You're Reading a Free Preview Pages 1661 to 1677 are not shown in this preview. Columbia and RCA Victor each pursued their R&D secretly [53] Both types of new disc used narrower grooves, intended to be played with a smaller stylus—typically 0.001 inch (1 mil, or about 25 µm) wide, compared to 0.003 inch
(76 µm) for a 78—so the new records were sometimes described as microgroove. Sales of other mediums including individual digital tracks, digital albums and compact discs have fallen, the last having the greatest drop-in-sales rate.[117] In 2011, the Entertainment Retailers Association in the United Kingdom found that consumers were willing to
pay on average £16.30 (£19.37, US$25.81) for a digital download. [118] In the United States, new vinyl releases often have a larger profit margin (per individual item) than do releases on CD or digital downloads (in many cases), as the latter formats
quickly go down in price. John Philip Sousa [said]: '[Gentlemen], that is a band. Retrieved 2015-02-11. {{cite web}}: CS1 maint: archived copy as title (link) ^ "Musikindustrie: Online-Dienste wachsen, CD-Verkauf schrumpft mäßig". "UC-Expander" (in German). 4th ed. ^ a b "CD: The indestructible music format that REFUSES TO DIE". whathifi.
Entertainment Weekly (86). By the 1980s, digital media, in the form of the compact disc, had gained a larger market share, and the record left the mainstream in 1991.[1] Since the 1990s and early 2000s were commonly used by disc jockeys (DJs), especially in
dance music genres. ^ "CUMULATIVE SALES: January-December 2012" (PDF). This meant that as frequency increased in the treble, recording amplitude decreased. Bigdamnband.com. One was a 16-inch, 33+1/3 rpm record used by the Vitaphone sound-on-disc movie system. Since then, the music industry classifies all music sung in Spanish or
Portuguese as Latin music, including musics from Spain and Portugal.[4] Following protests from Latin music was created by National Recording Academy (NARAS) for the Grammy Awards titled Best Latin music meant
that all Latin music genres had to compete with each other despite the distinct sounds of the genre. "VinylVideo - Playing video from a 45rpm record". You're Reading a Free Preview Pages 589 to 607 are not shown in this preview. Before that, especially from 1940, some 100 different formulae were used by the record manufacturers. Beginning in
1904, Nicole Records of the UK coated celluloid or a similar substance onto a cardboard core disc for a few years, but they were noisy. As a result, playback of an Orthophonic record, containing symbolic information on how it is to be played
on the top-left of the label Types of records See also: Comparison of recording media As recording technology evolved, more specific terms for various types of phonograph records See also: Comparison of recording media As recording technology evolved, more specific terms for various types of phonograph records See also: Comparison of recording media As recording technology evolved, more specific terms for various types of phonograph records See also: Comparison of records S
the material used (particularly "vinyl" to refer to records made of polyvinyl chloride, or the earlier "shellac records" generally the main ingredient in 78s). CD-4 was less successful than matrix formats. 1968-05-25. "Shiny, Aluminum, Plastic, and Digital" - via urbigenous.net. The New York Times. For other uses, see Latin music (disambiguation).
Amazon.es (Spain). The first LP release consisted of 85 12-inch classical pieces starting with the Mendelssohn violin concerto, Nathan Milstein violinist, Philharmonic Symphony of New York conducted by Bruno Walter, Columbia ML-4001. A Browne, David (2009-01-08). You're Reading a Free Preview Pages 1209 to 1292 are not shown in this
preview. As the playing of gramophone records causes gradual degradation of the records as rarely as possible. San Antonio Express-News. The "sons" made during a "three-step" electroforming make better stampers since they don't require silver removal
(which reduces some high fidelity because of etching erasing part of the smallest groove modulations) and also because they have a stronger metal structure than "fathers".[citation needed] Limitations This section needs additional citations for verification. The dust settles into the grooves. If records were engineered to sound good on hi-fi amplifiers
using the AES curve, this would be a worthy goal towards standardization. ^ Cobo, Leila (21 May 2005). Despite these improvements, during the 1910s discs decisively won this early format war, although Edison continued to produce new Blue Amberol cylinders for an ever-dwindling customer base until late in 1929. Although the visible results made
him confident that sound could be physically recorded and reproduced, his notes do not indicate that he actually reproduced sound before his first experiment in which he used tinfoil as a recording medium several months later. Berliner's earliest discs, first marketed in 1889, only in Europe, were 12.5 cm (approx 5 inches) in diameter, and were
played with a small hand-propelled machine. Radio listeners heard recordings broadcast and this in turn generated more record sales. ^ Negativland. Retrieved 2005-09-18. { (cite web) }: CS1 maint: archived copy as title (link) ^ "Guidelines on the Production and Preservation of Digital Audio Objects (IASA TC04)". It was released on two sides of
 Victor 55225 and ran for 8m 59s.[40] Record albums 78 rpm records were normally sold individually in brown paper or cardboard sleeves that were plain, or sometimes printed to show the producer or the retailer's name. Littlewonderrecords.com. LPs were 10-inch records at first, but soon the 12-inch size became by far the most common. "Latin
Noise: We Want Our Ballads". ^ Lucero, Mario J. As a result, this practice was the empirical beginning of using pre-emphasis above 1,000 Hz in 78 rpm and 33+1/3 rpm records. Vaudeville stars Gallagher and Shean recorded "Mr. Shean", written by themselves or, allegedly, by Bryan Foy, as two sides of a 10-inch 78 in 1922 for
Victor.[37] Longer musical pieces were released as a set of records. The actual dimension of a 12-inch record is 302 mm (1.89 in), for a 10-inch it is 250 mm (9.84 in), and for a 7-inch it is 175 mm (6.89 in). A Kornelis, Chris (2015-01-27). Lower recorded volume used closer spacing; higher recorded volume used wider spacing, especially with lower recorded volume used closer spacing; higher recorded volume used wider spacing.
frequencies. Retrieved September 10, 2015. Evidence from the early technical literature concerning electrical recording suggests that it wasn't until the 1942-1949 period that there were serious efforts to standardize recording suggests that it wasn't until the 1942-1949 period that there were serious efforts to standardize recording suggests that it wasn't until the 1942-1949 period that there were serious efforts to standardize recording suggests that it wasn't until the 1942-1949 period that there were serious efforts to standardize recording suggests that it wasn't until the 1942-1949 period that there were serious efforts to standardize recording suggests that it wasn't until the 1942-1949 period that there were serious efforts to standardize recording suggests that it wasn't until the 1942-1949 period that there were serious efforts to standardize recording suggests that it wasn't until the 1942-1949 period that there were serious efforts to standardize recording suggests that it wasn't until the 1942-1949 period that there were serious efforts to standardize recording suggests that it wasn't until the 1942-1949 period that there were serious efforts to standardize recording suggests that it wasn't until the 1942-1949 period that there were serious efforts to standardize recording suggests that it wasn't until the 1942-1949 period that the 19
Kompressionsgrad von 5:3 (0 dB) bis 1:1 (-20 dB) erzielt man eine effektive Störunterdrückung von 10 dB. Aardvark Mastering. Archived from the original on 2017-10-24. However, many CDJ and DJ advances, such as DJ software and time-encoded vinyl, now have these capabilities and more. Toward the end of the acoustic era, there were many fine
examples of recordings made with horns. But at the second session, on April 30, the two 12-inch recordings were longer: "Embraceable You" was 4m 05s; "Serenade to a Shylock", 4m 32s.[35][36] Another way to overcome the time limitation was to issue a selection extending to both sides of a single record. Diese Platten wurden, nicht wie sonst
 üblich, in Lackfolie sondern direkt in eine Metallscheibe geschnitten (DMM - Direkt Metal Mastering). [11][12] Further reading Fadeyev, V.; C. Although inexpensive and commercially successful at first, they fell victim to the Great Depression and U.S. production ended in 1932. Vinyl records continue to be manufactured and sold today,[107]
especially by independent rock bands and labels, although record sales are considered to be a niche market composed of audiophiles, collectors, and DJs. Old records and out-of-print recordings in particular are in much demand by collectors, and DJs. Old records and out-of-print recordings in particular are in much demand by collectors, and DJs. Old records and out-of-print recordings in particular are in much demand by collectors, and DJs. Old records and out-of-print recordings in particular are in much demand by collectors, and DJs. Old records and out-of-print recordings in particular are in much demand by collectors, and DJs. Old records and out-of-print recordings in particular are in much demand by collectors, and DJs. Old records and out-of-print recordings in particular are in much demand by collectors, and DJs. Old records and out-of-print recordings in particular are in much demand by collectors, and DJs. Old records and out-of-print recordings in particular are in much demand by collectors, and DJs. Old records and out-of-print record and DJs. Old records and DJs. Old recor
Records initiated a minimalist single microphone monaural recording technique in 1951. "Why Are Songs on the Radio About the Same Length?". From Tin Foil to Stereo: Evolution of the Phonograph by Oliver Read and Walter L. (A further problem was that no cutting heads were available that could handle the high frequency information. p. xiii
Retrieved 2013-04-13. {{cite web}}: CS1 maint: archived copy as title (link) ^ "Archived copy". Also, the higher track density at lower volumes enabled disk recordings to end farther away from the disk center than usual, helping to reduce endtrack distortion even further. America on Record: A History of Recorded Sound. [...] High-Com II is the first
audiophile noise-reduction system that achieves professional quality. ^ "CUMULATIVE SALES: January-December 2009" (PDF). Record Industry Association of the groove. JHU Press. However, in the 1950s the BBC determined in a series of
tests that only 20-25 dB is required for the impression of full stereo separation. [91] Thin, closely spaced spiral grooves that allow for increased playing time on a 33+1/3 rpm microgroove LP lead to a tinny pre-echo warning of upcoming loud sounds. In popular music, the time limit of 3+1/2 minutes on a 10-inch 78 rpm record meant that singers
seldom recorded long pieces. You're Reading a Free Preview Pages 1896 to 1978 are not shown in this preview. Empirically, and not by any formula, it was learned that the bass end of the audio spectrum below 100 Hz could be boosted somewhat to override system hum and turntable rumble noises. London: The British Library. Both elements were
reflected in the brandname of Dynagroove, described elsewhere in more detail. "Why Are Spanish Songs More Popular on YouTube? This compander exists in two identically named but slightly different versions; only one of them has a dedicated "Disk" setting, the other one instead has an additional setting to combine subsonic with MPX filtering.
Heavy footfalls can bounce the needle out of the groove. One exception, HMV, produced an album with a pictorial cover for its 1917 recording of The Mikado (Gilbert & Sullivan). The intent of the new Western Electric system was to improve the overall guality of disc recording and playback. 1959 Seeburg 16 rpm record (label only) The Seeburg
Corporation introduced the Seeburg Background Music System in 1959, using a 16+2/3 rpm 9-inch record with 2-inch center hole. Letztlich existieren nur einige Labormuster in den Händen der an dem Verfahren beteiligten Entwickler. Other enhancements Under the direction of recording engineer C. Archived (PDF) from the original on 2021-05-05.
BeLatina. The industry flourished. 71.2010.098.0001 ^ "The curious tale of Bhutan's playable record postage stamps". ^ "Vinyl sales up 55%". ISSN 0033-7900. An LP can play for up to 30 minutes per side, though most played for about 22 minutes per side, bringing the total playing time of a typical LP recording to about forty-five minutes. ISBN 0-
9634921-4-4 Powell, James R., Jr. and Randall G. Archived from the original on 2014-11-15. Terms such as "long-play" (LP) and "extended-play" (EP) describe multi-track records that play much longer than the single-item-per-side records, which typically do not go much past four minutes per side. ^ "Spotify Pivots on Global Cultures Initiative,
Alarming Music Industry". In the United Kingdom, the 78 rpm in the United Kingdom, the 78 rpm in the late 1950s, as teenagers became increasingly affluent. The coloring material used to blacken the transparent PVC plastic mix is carbon black, which increases the
strength of the disc and makes it opaque. [citation needed] Polystyrene is often used for 7-inch records. Grönland Records. Taylor, Matthew "Mat" (2017-10-19). If vinyl pressings are wanted, the still-unplayed sound disc is used as a mandrel for electroforming nickel records that are used for manufacturing pressing stampers. Archived from the
original on 2011-01-09. The term "album", originally used to mean a "book" with liner notes, holding several 78 rpm records each in its own "page" or sleeve, no longer has any relation to the physical format: a single LP record, or nowadays more typically a compact disc. Taylor and Francis. In extreme cases, they can cause the needle to skip over a
series of grooves, or worse yet, cause the needle to skip backwards, creating a "locked groove" that repeats over and over. This was achieved on the two stereo channels by electronic matrixing, where the additional channels were combined into the main signal. DJBROADCAST. Figures released in the United States in early 2009 showed that sales of
vinyl albums nearly doubled in 2008, with 1.88 million sold—up from just under 1 million in 2007.[113] In 2009, 3.5 million units sold in the United States, including 3.2 million sold—up from just under 1 million in 2007.[113] In 2009, 3.5 million units sold in the United States, including 3.2 million sold—up from just under 1 million in 2007.[113] In 2009, 3.5 million units sold in the United States, including 3.2 million sold—up from just under 1 million in 2007.[113] In 2009, 3.5 million units sold in the United States, including 3.2 million sold—up from just under 1 million in 2007.[113] In 2009, 3.5 million units sold in the United States, including 3.2 million sold—up from just under 1 million in 2007.[113] In 2009, 3.5 million units sold in the United States, including 3.2 million sold—up from just under 1 million in 2007.[113] In 2009, 3.5 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the United States, including 3.2 million units sold in the Unite
keeping began in 1991, when vinyl had been overshadowed by Compact Cassettes and compact discs.[116] In 2021, Taylor Swift sold 102,000 copies of her ninth studio album Evermore on vinyl. Archived (PDF) from the original on 2017-03-09. (2018-07-29). Archived (PDF) from the original on 2017-03-09.
original (PDF) on 2016-03-04. Archived from the original on 2021-05-07. L.A. Weekly. A total of about 150 CX-encoded disks were produced internationally. Vinyl readily acquires a static charge, attracting dust that is difficult to remove completely. Retrieved 2013-04-13. {{cite web}}: CS1 maint: archived copy as title (link) ^ "Archived copy" (PDF).
Increasingly from the early 20th century, [78] and almost exclusively since the 1920s, both sides of the record have been used to carry the grooves. Conversely the materials that make for a strong disc (cardboard and other fiber products) are not those known for allowing a quiet noise-free surface. This requires some skill, but is of great use when, for
instance, digitizing a recording, as no information is skipped. ^ "RCA SelectaVision VideoDisc FAQ". Hypebot.com. Speeds Shellac era Edison Records Diamond Disc label, early 1920s. ^ "Vinyl Record Sales At A 28 Year High". Note: we are considering Rosalía an artist who falls into the "Latin" category because she performs in Spanish or
Portuguese ^ "RIAA Updates Latin Gold & Platinum Program". ^ Cobo, Leila (January 5, 2012). The newly invented Western Electric moving coil or dynamic microphone was part of the Wide Range System. Sonicstate. Music from Spanish- and Portuguese-speaking areas or sung in either language This article is about the genre of music. Retrieved 22
September 2020. Sams & Company. "Latin Music Is Now More Popular Than Country & EDM In America". EPs were generally discontinued by the late 1950s in the U.S. as three- and four-speed record players replaced the individual 45 players. ^ Wallace, Robert (1952-11-17). Soft or distant sounds that were previously impossible to record could
now be captured. p. xviii, 838. "Italian Artists Conquer Latin Music Charts". ^ Cobo, Leila (18 April 2019). p. 201. Vol. 121, no. 32. The effect becomes gradually more acute during playback as the stylus moves closer to the center of the record. Burt, and H. The limited duration of recordings persisted from their advent until the introduction of the LP
record in 1948. The usual diameters of the holes are 0.286 inches (7.26 mm)[70] with larger holes on singles in the USA being 1.5 inches (38.1 mm). ^ "Best music streaming services 2021: free streams to hi-res audio". Vinyl quality and durability of vinyl records is highly dependent on the quality of the vinyl. ISBN 3-89602226-1. 26
(1): 110,112. ^ Millard, Andre (1995). For example, on June 10, 1924, four months after the February 12 premier of Rhapsody in Blue, George Gershwin recorded an abridged version of the seventeen-minute work with Paul Whiteman and His Orchestra. There is an area about 3 mm (0.12 in) wide at the outer edge of the disk, called the lead-in or run-
in, where the groove is widely spaced and silent. Volume was now limited only by the groove spacing on the record and the amplification of the playback device. Spalding, Lincolnshire: The Authors. Archived from the original on 2008-05-29. 1970-01-01. One exception is Frank Sinatra's recording of Rodgers and Hammerstein's "Soliloquy", from
Carousel, made on May 28, 1946. Archived from the original on 2012-06-10. Retrieved 2013-04-13. {{cite web}}: CS1 maint: archived copy as title (link) ^ "Musikförsäljningsstatistik". This allows them to be placed in the dies of the target (make and model) record press and, by center-roughing, to facilitate the adhesion of the label, which gets stuck
onto the vinyl pressing without any glue. Audio Engineering Society. ^ Fernandez, Enrique (March 5, 2000). Wax masters were made by flowing heated wax over a hot metal disc thus avoiding the microscopic irregularities of cast blocks of wax and the necessity of planing and polishing. In the early 1930s Bell Telephone Laboratories and Western
Electric announced the total reinvention of disc recording: the Western Electric Wide Range System, "The New Voice of Action". ^ a b Benjamin, Jeff. Members.aol.com. This is a form of frequency multiplexing as the control signal (restoring force) used to keep the stylus in the groove is carried by the same mechanism as the sound itself. Retrieved
January 4, 2015. Electrical recording and reproduction have combined to retain vitality and color in recitals by proxy. [24] Examples of Congolese 78 rpm records A 10-inch Decelith blank for making an individually cut one-off recording. Archived from the original on 2007-03-14. The digital recording was played back providing a high quality analogue
signal to master the lacquer-aluminium cut. West in 1930 and later P. In 1932, RCA Victor introduced a basic, inexpensive turntable called the Duo Jr., which was designed to be connected to their radio receivers. The popularization of bossa nova and Herb Alpert's Mexican-influenced sounds in the 1960s did little to change the perceived image of
Latin music. Pepper's Lonely Hearts Club Band by The Beatles, Super Trouper by ABBA and Atom Heart Mother by Pink Floyd), the sound continues on the lock groove, which gives a strange repeating effect. Archived from the original on 2016-04-18. Between tracks on the recorded section of an LP record there is usually a short gap of around 1 mm
(0.04 in) where the groove is widely spaced. The Audiophiliac takes on that myth". Archived from the environment may be transmitted mechanically from the turntable's sympathetic vibration into the stylus. A monophonic cartridge reproduces the monophonic component of a stereo record instead of
only one of its channels. During a quiet passage, woofer speaker cones can sometimes be seen to vibrate with the subsonic tracking of the stylus, at frequencies as low as just above 0.5 Hz (the frequency at which a 33+1/3 rpm record turns on the turntable; 5/9 Hz exactly on an ideal turntable). Thecmuwebsite.com. Price, plant manager.[76] In the
1970s, the government of Bhutan produced now-collectible postage stamps on playable vinyl mini-discs. [77] Structure Comparison of several forms of disk storage showing tracks (tracks not to scale); green denotes start and red denotes end.* Some CD-R(W) and DVD-R(W)/DVD+R(W) recorders operate in ZCLV, CAA or CAV modes. Manual of
Analogue Audio Restoration Techniques (PDF). The introduction, drum-breaks, or choruses of a track were indicated by widely separated grooves, giving a visual cue to DJs mixing the records. Most turntables use a pivoting tonearm, introduction in the playback signal. This does no further
damage to the disc and generally produces a better sound than normal playback. ^ Valdes-Rodriguez, Alisa (December 26, 1999). Riaj.or.jp. It was agreed upon in 1952 and implemented in the United States in 1955; it was not widely used in other countries until the 1970s. The phrase broken record refers to a malfunction[9] when the needle
skips/jumps back to the previous groove and plays the same section over again indefinitely.[10][11][12] The large cover (and inner sleeves) are valued by collectors and artists for the space given for visual expression, especially in the case of 12-inch discs.[citation needed] History Edison wax cylinder phonograph c. 1899 The phonautograph.
patented by Léon Scott in 1857, used a vibrating diaphragm and stylus to graphically record sound waves as tracings on sheets of paper, purely for visual analysis and without any intent of playing them back. I Sverige såldes det förra året 384.000 vinylskivor jämfört med 3.342.000 cd-skivor. Includes a description of the UC compander system.) ^ a b
Milde, Helmut (1987). Vol. 107, no. 47. Music Educators Journal, Vol. ^ Czukay, Holger (2018-03-23) [2017]. ^ "CUMULATIVE SALES: January-December 2011" (PDF). There were two main systems of matrixed quadraphonic records produced, confusingly named SQ (by CBS) and QS (by Sansui). "Spain Establishing the Latin European Link". Low-
level signals are processed for maximum noise reduction, high-level ones for minimum distortion. When the Columbia LP was released in June 1948, the developers subsequently published technical information about the 33+1/3 rpm microgroove long playing record. ^ a b Lawrence, Larry; Wright, Tom (January 26, 1985). The Global Music Industry
Three Perspectives. References ^ It's almost final for vinyl: Record manufacturers dwindle in the U.S. Archived 2013-01-16 at the Wayback Machine. "Profile: Latin Grammys at the Staples Center in Los Angeles". Hal Leonard Corporation. EP discs were generally used to make available tracks not on singles including tracks on LPs albums in a
smaller, less expensive format for those who had only 45 rpm EP is that the last Columbia Records reissue of Frank Sinatra (Columbia Be2641) was issued on December 7, 1959.[52] The EP lasted considerably longer in Europe and was a popular
format during the 1960s for recordings by artists such as Serge Gainsbourg and the Beatles. Columbia Records used a laminated disc with a core of coarser material or fiber. ^ Nakamichi High-Com II Noise Reduction System - Owner's Manual - Bedienungsanleitung - Mode d'Emploi (in English, German, and French). Ein Versuch nach 1990, mit dem
Verfahren erneut Fuß zu fassen, scheiterte an der international bereits von der Industrie vollzogenen, umfassenden Digitalisierung der Heimwiedergabe, You're Reading a Free Preview Pages 1357 to 1408 are not shown in this preview, Retrieved 2008-04-09. { cite web} }; CS1 maint: archived copy as title (link) ^ lacgues Chailley - 40,000 Years of
Music: Man in Search of Music - 1964 p. "Tejano music enjoyed a decade-long golden age". "Ageless Romance with Bolero". The mechanical Orthophonic Victrolas were priced from US$95 to $300, depending on cabinetry. In the late 1940s and early 1950s, 45-rpm-only players that lacked speakers and plugged into a jack on the back of a radio were
widely available. ^ Guttenberg, Steve. 2021-04-09. The 33+1/3 rpm LP (for "long-play") format was developed by Columbia Records and marketed in June 1948. ^ Fernandez, Enrique (1 November 1986). In the event of a 78 breaking, the pieces might remain loosely connected by the label and still be playable if the label holds them together, although
there is a loud pop with each pass over the crack, and breaking of the stylus is likely. In Glen Ballou (ed.). Mest såld i år är David Bowies sista skiva Black-star. Sound without breathing, pumping, or other ill side effects. A different format, Compatible Discrete 4 (CD-4; not to be confused with Compact Disc), was introduced by RCA. "A Record Changer
and Record of Complementary Design" by B. The double button carbon microphone with stretched diaphragm was a marked improvement. Signals fed to the cutting head were pre-emphasized in the treble region to help override noise in playback. pp. 311-313. ^ Penndorf, Ronald (1994). ^ Alexandrovich, George (1987). This was the first such curve
based on formulae. In 1901, 10-inch disc records were introduced, followed in 1903 by 12-inch records. Laser turntable ELPJ, a Japanese-based company, sells a laser turntable ELPJ, a Japanese-based company, sells a laser turntable ELPJ, a Japanese-based company, sells a laser turntable that uses a laser turntable ELPJ, a Japanese-based company, sells a laser turnt
back electrically with a magnetic pickup having a smooth response in the bass region, a complementary boost in amplitude at the bass turnover point was necessary. Wiki.hydrogenaud.io. Tracking force of the stylus is not always the same from beginning to end of the groove. You're Reading a Free Preview Pages 448 to 453 are not shown in this
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