## Figures

Ι.	On Kawara, Today S	Series, 1966	(Saturday), froi
	Date-Painting, 1975	24	

- 2. Agnes Martin, Untitled #12, 1977 34
- 3. Agnes Martin, Untitled #12, detail 39
- 4. Marie Krane Bergman, (like April through October)
- 5. Gerhard Richter, Woman Descending the Staircase,
- H I column densities in the "anticenter shell" at Center, GS 174+02-64, at velocities of -70.7 km s -45.4 km s<sup>-1</sup> 60
- Pulsar PSR B1610-50 and its surroundings, in the constellation Norma 61
- Deliberately blurred image of galaxy; improved in between the original image and the improved im
- 9. Bernard Borgeaud, La Nuit, la pluie, 1990-93 6
- 10. Phobos over the surface of Mars, showing the As
- 11. Sol LeWitt, Wall Drawing #63, detail, 1971, execu
- FITS astronomical graphic, as displayed by incomesoftware 71
- 13. Jasper Johns, Corpse and Mirror II, detail 73
- 14. Marco Breuer, Untitled (Candy), 2001. Study for
- An X-ray image of a distant galaxy cluster, comp source and a computer model 83
- Optical image of a distant galaxy cluster, with Xsuperimposed 84
- Detail of Figure 16, showing resolved and suspec
- The log of the secular phase space divergence of Jupiter in the twenty-eight-day Stormer integrations are paint participal by 7.5 mm.

∠3.	Six bright objects and six
24.	A radio-loud quasar at z
25.	A galaxy at $z=6.68$ 113
26.	Vertically taken aerial ph
	Antarctic ice stream on t
27.	The diatom Amphipleura
	Hyrax medium 120
28.	The diatom Amphipleura
	into "pearls" 121
29.	Comparison of Hoffman
	ordinary bright field 12
30.	TEM micrographs of inf
	resolution 129
31.	TEM micrographs of inf
	optimal focus 130
32.	TEM micrograph of isol
	analyzed using a software
33.	Ice-embedded bacteriop
34.	Magnetosome (magnetit
35.	Through-focus series of
	scanning transmission ele
	of an amorphous Ri <sub>16</sub> Si <sub>8</sub>
36.	Fourier transform patter
37-	Ronchigrams and Fourie
	carbon (002) lattice plan
38.	Experimental exit wave
	of the (001) surface of a
	focus values 139
39.	Profile images of the (oo
40.	Carbon with embedded
41.	Gold crystal (111) surfac
42.	Gold crystal (111) surfac
	(b) computer model of (
	model of (c) 147
43.	Interference fringes in m
	contrast 150
44.	Fresnel image of a conve
	a permalloy film, printed

Cosmic ray shower in a nuclear emulsion, 4 mm 50. interaction 161 51. Cosmic ray shower in a nuclear emulsion, 2.9 cm interaction 162 A five-pronged disintegration star in a nuclear en 52. The twelve-foot bubble chamber at Argonne 53. National Laboratory 164 Particle tracks in the seventy-two-inch bubble ch 54. Cloud chamber, showing a flux of fast neutrons 55. Cloud chamber, showing soft gamma rays, from I 56. in niobium, producing small blobs of ionization Bubble chamber 172 57. Fifteen-foot bubble-chamber event 58. 174 Detail of Figure 58 176 59. Fifteen-foot bubble-chamber event 60. 61. Figure 60, from another angle Production of a charmed meson 185 62.

Feynman diagram

as gluons 203

nucleus

(331) surface 153

48.

49.

63.

64. 65.

66. 67.

68.

69.

70. 71.

72.

73.

74.

75.

Two images showing surface profiles of a gold of

Cosmic ray shower in a nuclear emulsion: photor

interaction of a (1.4±0.7)×1015 eV cosmic ray a

Atoms accumulating on a gold crystal 154

Proton-antiproton reaction, producing a K<sup>0</sup>

Quark flow diagram of beta decay

Billiard-ball picture of beta decay 199

Schematic structure of the nucleon

Diagram of quark confinement 206

Analysis of Figure 63, with neutral particles adde

Figure 65, turned ninety degrees counterclockwi

Quark flow diagram of beta decay, alternate versi

Supersymmetric diagrams that cause flavor violat

Permissible angular momentum vectors for an ele numbers l=2 and  $m=\{-2,-1,0,+1,+2\}$  201 A proton with its valence and sea quarks as well

Massimo Brambilla, Colour Confinement II 208

186

198

	of a chaotic, self-reprodu
	branching of inflationary
79.	Andrei Linde's third vers
80.	Two scales of incommer
81.	Stationary states of a war
82.	Gernot Bauer's ensemble experiment 219
83.	Motion of a wave packe probability function $ \Psi $
84.	The tunnel effect 222
85.	Experimental demonstra