1. Record Nr. UNINA9910713337403321

Titolo	Emission testing of a 1976 Toyota with the TTC-L lean burn engine
Pubbl/distr/stampa	[Ann Arbor, Mich.] : , : U.S. Environmental Protection Agency, Office of Mobile Source Air Pollution Control, Emission Control Technology Division, Technology Assessment and Evaluation Branch, , 1976
Descrizione fisica	1 online resource (13 pages) : illustrations
Soggetti	Automobiles - Pollution control devices Automobiles - Testing Automobile industry and trade - Environmental aspects Automobile industry and trade - United States Automobiles - Motors - Exhaust gas - Analysis Toyota automobiles - Evaluation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"September 1976." "76-27 AB."

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Autore	Johnston Sean <1956->
Titolo	Holographic visions [[electronic resource]] : a history of new science / / Sean F. Johnston
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2006
ISBN	0-19-151388-1 1-4294-7046-1
Descrizione fisica	1 online resource (541 p.)
Collana	H.Spencer Lecture
Classificazione	33.38
Disciplina	621.36/75
Soggetti	Holography - History
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [447]-487) and index.
Nota di contenuto	Contents; List of Figures; Acronyms; 1. Introduction: Seeking Coherence; PART I: CREATING A SUBJECT; 2. Wavefront Reconstruction in England and Beyond; 2.1 Introduction; 2.2 Holoscopy; 2.3 'A new microscopic principle'; 2.4 Microscopy by reconstructed wavefronts; 2.5 The Diffraction Microscope at Imperial College; 2.6 Gordon Rogers and 'D.M.'; 2.7 The Californian connection; 2.8 Adolf Lohmann in Germany; 2.9 The decline of diffraction microscopy; 3. Wave Photography in the Soviet Union; 3.1 The Vavilov State Optical Institute and the backdrop of Soviet science 3.2 Yuri Denisyuk and his Kandidat research 3.3 Wave photographs; 3.4 Pause and reception; 4. Lensless Photography in America; 4.1 The Willow Run Laboratories and optical processing; 4.2 From optical processing to wavefront reconstruction; 4.3 Lensless photography; 4.4 Three-dimensional wavefront reconstruction; 5. Constructing Holography; 5.1 Introduction; 5.2 George Stroke and the packaging of holography; 5.3 The Nobel Prize and historiographical validation; 5.4 Patents, priority, and profits; 5.5 Finding coherence; PART II: CREATING A MEDIUM; 6. Early Exploitation 7.11 The medium and its message PART III: CREATING AN IDENTITY; 8. Defining the Scientific Holographer; 8.1 Reshaping optical engineering for holographers; 8.2 Carving a niche with journals; 8.3 Meetings as social nuclei; 8.4 Defining the holographer; 9. Culture and Counterculture: The Artisan Holographer; 9.1 Introduction; 9.2

Challenging the orthodox optical laboratory: material culture and community identity; 9.3 Training artisans: the birth of schools; 9.4 Transmitting the counterculture: practical publications; 9.5 Shaping and reshaping an identity
10. Aesthetic Holographers and Their Art 10.1 Introduction; 10.2 Artist-scientist collaborations; 10.3 Artists and artisans; 10.4 Formalizing the art: accredited schools; 10.5 Distinguishing subcultures; 10.6 Enchanting audiences through exhibitions; 10.7 Critiques from mainstream art; 11. Building Holographic Communities; 11.1 Uncertain identities; 11.2 Strengthening networks; 11.3 Special congregations: symposia; 11.4 Special places: museums; PART IV: CREATING A MARKET; 12. Commercialization and Ubiquity; 12.1 Making holography pay; 12.2 Entrepreneurs and cottage industry 12.3 Optimistic investment: the Ilford story

Sommario/riassunto

This is a unique history of how the new science of holography developed intellectually, socially and culturally. Based on unprecedented interviews with pioneer holographers and archival research, it shows how this far-reaching subject is a potent example of how science, technology, art and wider culture are entwined in the modern world. - ;Holography exploded on the scientific world in 1964, but its slow fuse had been burning much longer. Over the next four decades, the echoes of that explosion reached scientists, engineers, artists and popular culture. Emerging from classified military research