

Charles Brentford Andrews
“Brent”

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University of Colorado Boulder:

PhD Student	Sep 2019 – Present	
Continuing Education	Sep 2017 – May 2019	
Teaching		
Anthropology 2200, TA,	Spring 2020	(Archaeology of Human History)
Anthropology 1190, TA,	Fall 2021	(Origins of Ancient States)
Archaeological Field Work		
Rio Viejo,	Oct - Dec 2019	
Conferences Attended		
Society for Economic Anthropology, 2014, 2015, 2017 - 2021		
Society for American Archaeology, 2019		

EMPLOYMENT HISTORY (Financial Markets & Derivatives Trading)

Eucleria Capital BV; Amsterdam NL **Sep 2011 – October 2016**

Seed Investor In and Co-Owner of Dutch Hedge Fund; Dispersion Strategies
Vetting of Dispersion Strategy for Other Seed Investors
Preparation of Business Plan for Deal Structuring
US Investor Issues for Offshore Funds
Optimal Legal Entity Structuring for US-NL Tax Purposes
Determined Eligibility of Dutch ‘closed FGR’ for US Partnership Election to prevent PFIC and QEF Regimes
EUR USD Foreign Exchange Risk Hedging

Ronin Capital LLC; New York NY **Apr 2010 – Aug 2011**

Dispersion Trader
Integration of Dispersion Strategy into Existing Electronic Equity Options Market Making Team
Design of Dispersion Trading Screens
Trading Dispersion Portfolio in DIA
ETF Valuation for ETF-Futures Arbitrage Strategy [Dividend Forecasting Studies]

Independent Research; Northport NY **Jan 2009 – Mar 2010**
Analysis, Simulation and Back Testing of Dispersion Strategy using Thomson Reuters MarketQA

Full Time Caregiver; Northport NY **Sep 2007 – Oct 2013**

Mother Hospitalized Sep–Dec 2007; Residential Rehab Jan-Apr 2008; Event Required 24/7 Attention
Continued Management of Intensive In-Home Recovery for Remainder of 2008 and into 2009
Ongoing Care w/ help of 24/7 Live-In Aides

NG Trading; Chicago **Sep 2006 – Aug 2007**

Consultant
Business Plan for European Expansion for US Electronic Equity Options Market Making Group
Structured Turn-Key, No Cost Market Entry Solution Using Existing Business Contacts
European Expansion Plans Postponed Following Decimalization

Independent Investor & Private Consultant; Nederland CO**Jan 2005 – To Date**

Investing Focused on (s)iRNA based Technologies and Firms; RNAI ALNY ISIS
 Consulting Projects Included:

- Evaluation of a Colorado Coal License: for Analyst at a London Based Minerals Consultancy
- The BDI as a Leading Market Indicator: for a Chicago Based Trader
- Options as a Risk Management Tool for Investments in African Gold Miners:
 for Director of Mining & Metals at a Global Multinational
- Arbitrage & Hedging Strategies for Biofuels, their Feed Stocks and Competing Hydrocarbons:
 for Associate of a Chicago Based Boutique Energy Investment Bank
- Evaluation of Hydrocarbon Coolant Technology, Market and Proprietary IP for Potential Investor

Repatriation to USA**Oct 2004****TD Securities; London UK***Volatility Analyst; Amsterdam NL***Aug 2003 - Apr 2004**

Developed Prototype Volatility Analysis & Strategy Newsletter
 Target Audience TD Trading Desk and Clients

*Director, Amsterdam Branch, Stafford Trading Europe LTD; Amsterdam NL***Oct 2002 - Jul 2003**

Ongoing Management of Transition from Floor to Electronic Trading
 Following TD decision to close the Branch in late Jan 03:

- Negotiation of Trader and Staff Severance Terms
- Final Shutdown and Closure of Office
- Transfer of Residual Legal Responsibilities to London

Stafford Trading; Chicago IL*Managing Director, Stafford Trading Europe BV, Amsterdam NL***Feb 1995 - Sep 2002**

- Assigned to launch European Trading Operations with focus on Electronic Markets to create expertise in and build systems for the Firm in Electronic Trading. Start-Up effected on an Entrepreneurial Basis using Joint Venture and other Partner Relationships to avoid Start-Up, Fixed and Overhead expenses and minimize capital outlays.
- Set-Up and Personally Traded Large Scale German Dividend Tax Credit Arbitrage Operation for 2 Years.
 Heavy Emphasis on Securities Lending and Settlement Practices
- Responsible for Growth of Firm to:
 40 Traders & 15+ Staff, (virtually all local hires) in:
 5 Locations (Amsterdam, London, Frankfurt, Switzerland and Paris)
 7 Exchange Markets with own Memberships (AEX, Liffe, LSE, Eurex, Xetra, Matif, Monep)
- Management Responsibility for all Aspects of European Trading including:
 Trader Recruitment, Hiring, Contract Negotiation and Risk Management & Performance Evaluation
 Trader Training and Education: Volatility Analysis and Trading & Technical Analysis
 Trader Organization & Trading Strategy Development
- Management Responsibility for Technology Initiatives
 Commercial Trading Technology & Systems: Vendor Identification, Assessment, and Selection, Customization
 Proprietary Trading Systems: Design of Systems "TheoManager Europe/Electronic" (TME')
 Design of TME Features for Trading Screen Functionality (Takeout, Mass Quote, RFQ Response)
 Deployment of TME for Eurex Sep 98, LiffeConnect Nov 98, AEX Mar 99
 'Exported' to Home Office in Chicago to support JGB and DPM's
- Management Responsibility for all Administrative Aspects of European Operations including:
 Regulatory Affairs: Authorizations, Compliance, Multi-jurisdictional Issues (MOU's)
 Clearing Relations: Identification, Cost Comparison, Selection, and Negotiation
 Exchange Memberships: Requirements, Process, Costs
 Support Relationships: Stock Borrow & Lend, Give-Ups, OSLAs, ISDA's
 Legal & Accounting: Business Structure, International Tax Issues, Contracts, Budgets, Cost Control
 Ex-Patriot Arrangements: Housing, Work/Residence Permits, Relocation
- Created Sufficient Critical Mass to Attract Senior Manager from Leading Investment Bank to launch second phase of investment-led expansion in European Markets, consolidating operations in London in parallel with European Securities and Derivatives market integration
- Sale of Business by Stafford to TD Securities – Responsible for Disclosure Documentation and Signing

*Business Development Director, Chicago IL***Nov 1993 - Jan 1995**

- Research for and Preparation of Business Plan for Start Up Eurex (DTB) Trading Operation
- Responsible for Initiatives for Expansion into Related Markets at CME, NYSE, and Europe
- Equity Index Option Volatility Research, Analysis and Modeling

Naegele & Stewart Trading Offices; Chicago IL

Jan 1987 - Oct 1993

Development & Operations Director

- Conceptual Design, Technical Development and Management of OEX, SPX Volatility Trading and Arbitrage Team Including:
 - Option Pricing Model Research & Implementation
 - Equity Index Volatility Research, Modeling and Analysis
 - Cross-Index Volatility Arbitrage Strategies
 - Portfolio Hedging Strategies
 - Option Portfolio & Position Risk Analysis and Management
 - Market & Volatility Forecasting: Statistical & Neural Network Techniques
 - Technical Market & Inter-Market Analysis
 - Profit & Loss Analysis Techniques
 - OEX Basket Trading
 - Organizational Management, Development, Supervision and Training
 - Network, Hardware, Software, Database, Development Tools & Environment
- Profitability of 100% Return on Capital; 4 Floor Traders; 2 Upstairs Traders

Treeline Trading, Inc.; Chicago IL

Oct 1992 – Dec 2001

Owner

- OEX Index Option Basket Arbitrage (JBO) at the Chicago Board of Options Exchange (CBOE) [1994]
- Member Philadelphia Stock Exchange (Foreign Currency Option Participant)
- Approved for Membership at CBOE and CBOT (Never Activated)
- Management of Equity Portfolio and Private Placement Investments [PRST, AWRE, CMS, Xencor]
- All Financial and Regulatory Compliance and Reporting [FOCUS]

Finance Related Continuing Education

* <i>George Washington University</i>	Short Course in Neural Networks	1992
* <i>UCLA</i>	Short Course in Neural Networks and Adaptive Systems	1992
* <i>Neuralware Inc.</i>	Short Course in Neural Networks and Financial Markets	1993
* <i>Northwestern University Evening School</i>	C++ Programming/Advanced C++ Programming	1993
* <i>Chicago Group Relations Council</i>	Group Relations Conference	1993

Finance Related Computer/Technical Skills [at various times]:

DOS, Windows, OS/2, Netware; C, C++, Basic, FORTRAN; Lotus, Word, Excel, DB Raima
SAS, Math CAD, RATS, DYNAMO, Neuralware
MarketQA, IB, Trade Station, Bloomberg, CQG, AT Financial, First Alert, PC Quote

EMPLOYMENT HISTORY (Technical & Management Consulting)

Wharton Center for Applied Research; University of Pennsylvania

Sep1982 – Dec 1986

Research Specialist

- * Management and Technical Consulting to Private, Public and Not-For-Profit Sector Clients; Use of Case Studies to Support Academic Research and Publishing in the Fields of Management, Strategic Planning and Organizational Intervention
- * Consulting Practice Focused in Energy Sector, Urban Affairs, Industrial Technology Studies
- * Clients Included:
 - New York Mercantile Exchange
 - City of Philadelphia
 - Local Initiatives Support Corporation
 - State of Pennsylvania
 - Grand Iron Works
 - Small Business Administration
- * Project Work Included:
 - Strategic Planning, Organizational Behavior
 - Statistical Analysis of Market/Census Data
 - Technology Assessment & Diffusion Forecasts
 - Business Planning, Market Research
 - Proposal Development
 - Economic Impact Assessment
- * Industrial Technology Analyses of Steel, Coal, Printing and Publishing, Energy Sectors
- * PUBLICATIONS/PRESENTATIONS:
 1. "Analyzing Productivity Improvement Programs" (1983) Hirschhorn, L. & Andrews, C.B. IN: Cutting Back: Retrenchment & Redevelopment In Human & Community Services; Jossey-Bass
 2. "Steel Resoumetrics" (1983) First Symposium on Industrial Resource Management
 3. Interorganizational Learning and Domain Development (1984) Working Paper of the Management & Behavioral Science Center

EDUCATION (Human Adaptation, Evolution and Ecology; Industrial Systems & Technological Change)

University of Pennsylvania, Graduate Group in City & Regional Planning, Philadelphia PA

Doctoral Candidate

1979 - 1986

- * Course Work Included: Quantitative Methods in Spatial Analysis; Time Series Analysis; Feedback & Control Theory; Linear Systems Theory; World Economic Patterns; Remote Sensing; Hydrology; Industrial Resource Technologies; Energy & Ecosystem Modeling; Cultural Ecology; Macroeconomics; Socio-Technical Systems; Organizational Ecology & Social Architecture
- * Research Area: Long Wave Patterns of Technological Change, Resource Depletion and Organizational Demographics in the US Steel Industry

University of Pennsylvania, Department of Landscape Architecture & Regional Planning, Philadelphia PA

Masters Candidate in Regional Planning

1978 - 1979

- * Completed 1st Year Core Curriculum and Studios of 2 Year Program in Environmentally Based Land Use Planning
- * Sub-Matriculated into Ph.D. Program at Invitation of Faculty after 1st Year

University of Pennsylvania, College of Arts & Sciences, Philadelphia PA

Bachelor of Arts Anthropology & Biology

1972 - 1978

- * Course Work Included: Human Physiological Adaptability Problems; Hominid Paleontology; Theories of Hominid Origins; Human Adaptation; Comparative Primate Anatomy (Vet. School); Orthopedic Biomechanics Seminar; Animal Ethology; Ecology of Social Behavior; Primate Behavior; Human Neuroanatomy (Med. School); Caudal Brain Stem Mechanisms; Neural/Muscular Cellular Physiology; Culture Change; Native American Ethnography; History of Anthropological Theory; Pre-Medical Curriculum
- * Senior Paper: "Theories of Hominid Origins: New Theory of Hominid & Bipedal Origins Based on Adoption of Throwing Behavior"
- * Additional Paper: "Tay-Sachs Heterozygote Advantage in Conditions of Endemic Bubonic Plague"
- * Volunteer Work: St. Agnes Hospital - Preventative Medicine/Community Health Screening Program
- * Volunteer Research: Conjugate HRP Studies of Sensory IX Nucleus
- * Sigma-Xi Grant-In-Aid Award: Form & Function of the Primate Temporalis Muscle
- * Accepted to University of Pennsylvania Anatomy Graduate Group Doctoral Program to Study Primate Cranio-Facial Biomechanics (Declined to Matriculate After Departure of Faculty Advisor When Denied Tenure)

UNIVERSITY RESEARCH ASSISTANTSHIPS & INTERNSHIPS:

City of Philadelphia, Energy Management Office

Intern,

Aug 1981 - Feb 1982

Documentation and Analysis of Philadelphia's Energy Supply and Distribution Systems, Consumption Patterns
FEMA Energy Emergency Planning

Department of Regional Science

Computer Research Assistant,

Jun 1981 - Aug 1981

Spectral Density Analysis of Regional Business Cycles

Wharton Management & Behavioral Science Center

Management Research Analyst,

Mar 1980 - Jun 1981

Pennsylvania Governor's Special Grants: Investigation of Philadelphia Labor Market Information Systems

Department of Landscape Architecture & Regional Planning

Consulting Team Member,

Dec 1979

New Jersey Pine Barrens Planning Commission: The Cultural Ecology of the New Jersey Pine Barrens

Department of Psychology

Research Assistant

1977

Role of Ultra-Sound Communication in Rat Sexual/Aggressive Behavior

SYSTEM DYNAMICS MODELING PROJECTS:

WORLD III Model:

Conceptualized Overall Model Design in terms of 3 Human Carrying Capacities
Ran Model demonstrating that it's Steady State was temporary and followed by Collapse at a later date

BASIN 4:

River Basin Hydrological Model: Simulated Variable Source Area Model of Runoff, calibrated to Schuylkill River

UNIVERSITY TEACHING ASSISTANTSHIPS:

Department of Biology

Teaching Assistant

1977-1978; 1981

Comparative Physiology; Honors Physiology; Molecular & Cellular Biology

Head Teaching Assistant

1979-1980

Supervision of 5 TA's; Exam Preparation; Lab Design; Co-Author TA's Manual

UNIVERSITY COUNSELING:

Department of Residential Living, The Quadrangle

Residence Advisor

Personal, Academic Counseling; Crisis Intervention; Discipline; 30 Undergraduates

1976 -1978

House Master

Supervision of 7 Residence Advisors; Student Population of 220

1978 -1980

Miami Palmetto Sr. High School, Miami FL

High School Diploma, 1972

- National Honor Society
- Regents Scholar

ADDITIONAL INTERESTS

The Day School, Chicago IL

Member, Board of Directors, 1991 - 1995

- * Private Non-Profit School for Emotionally and Behaviorally Disturbed Children
- * Annual Budget \$1,000,000; Staff of 20 Teachers, Social Workers, Aides and Administrators
- * President 1993; Treasurer 1994
- * Strategic and Financial Planning & Analysis; Organizational Development; Fund-Raising; Government Relations

Andrews Aviation Inc., Chicago IL

Owner, 1991 - 2004

- * Owns, Operates and Manages Private Aircraft
- * Private Pilot's License 1991; Instrument Rating 1992
- * 250 Hrs Total Time; 150 Hrs Complex/Retract Time; 10 Hrs IFR Time (Actual)

Personal Interests:

- * Fingerstyle Guitar, Bluegrass and Traditional Celtic Music
- * Wilderness Backpacking & Mountaineering (Ascents of 15 Colorado Peaks 14,000'+)
- * Ice Hockey; Skiing