

Awareness Watch™ Newsletter

By Marcus P. Zillman, M.S., A.M.H.A.

<http://www.AwarenessWatch.com/>

V19N6

June 2021

Welcome to the V19N6 June 2021 issue of the **Awareness Watch™ Newsletter**. This newsletter is available as a complimentary subscription and will be issued monthly. Each newsletter will feature the following:

Awareness Watch™ Featured Report

Awareness Watch™ Spotters

Awareness Watch™ Book/Paper/Article Review

Subject Tracer™ Information Blogs

I am always open to feedback from readers so please feel free to email with all suggestions, reviews and new resources that you feel would be appropriate for inclusion in an upcoming issue of Awareness Watch™. This is an ongoing work of creativity and you will be observing constant changes, constant updates knowing that “change” is the only thing that will remain constant especially in today’s COVID-19 New Economy and New Normal world!!

Awareness Watch™ Featured Report

This month’s featured report covers **Biological Informatics 2021** and is a comprehensive listing of world wide web and Internet biological informatics resources and tools including sources for new economy and new normal biological informatics directories, subject guides and index resources and sites on the Internet available for the 2021 year. The below list is taken partially from my white paper titled **Biological Informatics 2021** and is constantly updated with Subject Tracer™ bots at the following URL:

<http://www.BiologicalInformatics.info/>

These resources and sources will help you to discover the many new pathways available through the Internet to find the latest new and existing world wide web and Internet competent biological informatics resources, sources, tools and sites. As this site is constantly updated it would be to your benefit to bookmark and return to the above URL frequently. The below resources and sources including the deep web will be your pathfinder to all the new web biological informatics resources, sources, tools and alerts!!



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Biological Informatics 2021:

BIOLOGICAL INFORMATICS

HEALTH INFORMATICS (Medical Informatics)

NEUROINFORMATICS (NI)

BIODIVERSITY INFORMATICS (BDI)

BIOMOLECULAR INFORMATICS (BioInformatics)

Current Subject Tracer™ Information Blogs

Biological Informatics:

1000 Genomes Project

<http://www.1000genomes.org/>

About Bioscience

<http://www.aboutbioscience.org/>

Academic and Scholar Search Engines and Sources 2021

<http://www.ScholarSearchEngines.com/>

A Genetic Atlas of Human Admixture History

<http://admixturemap.paintmychromosomes.com/>

Agriculture and Biology Journal of North America (ABJNA)

<http://scihub.org/ABJNA/index.html>

AlphaFold: A Solution to a 50 Year Old Grand Challenge in Biology

<https://deepmind.com/blog/article/alphafold-a-solution-to-a-50-year-old-grand-challenge-in-biology>

Antibody Registry

<http://antibodyregistry.org/>

arXiv.org - Open Access e-Prints

<https://arxiv.org/>

BEN – BiosciEdNet – Digital Library Portal for Teaching and Learning In the Biological Sciences

<http://www.biosciednet.org/portal>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Bento Lab - Experience Genetics Everywhere

<https://www.bento.bio/>

bioCURIIOUS – World’s Largest Community Lab Space for Biology

<http://biocurious.org/>

BioEd Online - Biology Teacher Resources from Baylor College of Medicine

<http://www.bioedonline.org/>

Biohealthmatics.com - The Biomedical Informatics Career Portal

<http://www.biohealthmatics.com/>

BioHunter _ Research Articles Finder

<https://www.biohunter.in/>

Bioinformatics Journal

<http://bioinformatics.oxfordjournals.org/>

Bioinformatics Organization

<http://bioinformatics.org/>

Bioinformation

<http://www.bioinformation.net/>

BioLINCC

<https://biolincc.nhlbi.nih.gov/>

Biological and Chemical Terrorism Information for Healthcare Professionals

<http://www.istl.org/04-winter/internet.html>

Biological Journals and Abbreviations

<http://home.ncifcrf.gov/research/bja/>

Biology and Medicine

<http://www.biolmedonline.com/>

Biology News Net

<http://www.biologynews.net/>

Biomat.net - The Biomaterials Network

<http://www.biomat.net/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Biomechanics and Modeling in Mechanobiology

<http://www.springer.com/materials/mechanics/journal/10237>

BioMedCentral (BMC)

<https://www.biomedcentral.com/>

Biomedical Digital Libraries [Open Access – Archives Available]

<http://www.bio-diglib.com/>

Biomedical Informatics

<http://www.biomedical-informatics.net/>

BioNews

<http://www.bionews.org.uk>

Biopharmaceutical Glossaries & Taxonomies

<http://www.genomicglossaries.com/>

bioRxiv - The Preprint Server for Biology

<http://biorxiv.org/>

BioScan® Directory

<https://www.medicaldevicedaily.com/servlet/com.accumedia.web.Dispatcher?next=bioScan>

BioText Search Engine

<http://biosearch.berkeley.edu/>

Biowebspin - Academia-Industry Partnering Network in Life Sciences – Part of Inospin

<http://www.biowebspin.com/>

<https://www.inospin.com/>

BIOZ - Best Way To Find Scientific Data – AI Search Engine for Scientific Experimentation

<https://www.bioz.com/>

Briefings in Bioinformatics

<http://bib.oxfordjournals.org/>

Centre for Agricultural Bioscience International (CABI)

<http://www.cabi.org/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

ChemSpider

<http://www.chemspider.com/>

Cytoscape - Open Source Bioinformatics Platform for Network Analysis and Visualization

<http://cytoscape.org/>

DIRECT2Experts – Distributed Interoperable Biomedical Research Experts Collaboration Tool

<http://direct2experts.org/>

DNA Barcoding 101

<http://www.dnabarcoding101.org/>

DNA From the Beginning

<http://dnaftb.org/>

EAGLE-I – Search Top Categories From 100,800 Biomedical Resources

<https://www.eagle-i.net/>

eBiostatistics.com - Comprehensive, Open Access, Web Based Biostatistical Package

<http://www.draptis.com/ebiostat/>

EdX: The Extremes of Life: Microbes and their Diversity

<https://www.edx.org/course/extremes-life-microbes-diversity-kyotoux-003x-0>

eHealthcareBot 2021 Search Engine

<http://www.eHealthcareBot.com/>

Electronic Laboratory Notebook (ELN) and Laboratory Information Management System (LIMS)

<http://www.labii.com/>

eLabFTW – Free and Open Source Electronic Lab Notebook

<https://www.elabftw.net/>

eLIFE - Open-access Journal That Publishes Promising Research in the Life and Biomedical Sciences

<https://elifesciences.org/>

ePosters.net: The Online Journal of Scientific Posters

<http://www.eposters.net/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

European Bioinformatics Institute (EBI)

<http://www.ebi.ac.uk/about>

FAIRsharing – Curated, Informative and Educational Resource On Data and Metadata Standards, Interrelated To Databases and Data Policies

<https://fairsharing.org/>

Frontiers in BioScience

<http://www.bioscience.org/>

GigaScience Journal

<https://academic.oup.com/gigascience>

GenBank ®

<https://www.ncbi.nlm.nih.gov/genbank/>

Gene Ontology™ (GO) Consortium

<http://www.geneontology.org/>

Genes – Open Access Journal

<http://www.mdpi.com/journal/genes>

Genetics and Genomics From the U.S. Library of Medicine

<https://vsearch.nlm.nih.gov/vivisimo/cgi-bin/query-meta?query=Genetics+and+Genomics+&v%3Aproject.nlm-main-website>

Genomic Medicine

<http://www.springer.com/biomed/journal/11568>

Genomics Glossaries & Taxonomies

<http://www.genomicglossaries.com/>

Grant Forward - Start Moving Your Research Forward

<https://www.grantforward.com/>

Human Genome Project Education Resources Archive – 1990-2003

http://web.ornl.gov/sci/techresources/Human_Genome/education/index.shtml

InsightMedi - The Global Photo-sharing Network for Healthcare Professionals

<http://www.insightmedi.com>

International Cancer Genome Consortium (ICGC)

<http://www.icgc.org/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

International Journal of Agricultural and Biological Engineering (IJABE)
<http://www.ijabe.org/index.php/ijabe>

International Journal of Bioinformatics Research and Applications (IJBRA)
<http://www.inderscience.com/jhome.php?jcode=ijbra>

International Journal of Biological Sciences and Technology (IJBLST)
<http://www.ijblst.org/>

International Journal of Biomedical Science (IJBS)
<http://www.ijbs.org/HomePage.aspx>

International Journal of Healthcare Information Systems and Informatics (IJHISI)
<http://www.igi-global.com/journal/international-journal-healthcare-information-systems/1094>

isainfrastructure - Investigation/Study/Assay
<http://isa-tools.org/>

Journal of Biomedical Sciences and Research (JBSR) [Archives available till 2011 issue]
<http://www.jbsr.pharmainfo.in/>

Journal of Biomedical Semantics
<http://www.jbiomedsem.com/>

Journal of Biomedicine and Biotechnology [now called BioMed Research International]
<http://www.hindawi.com/journals/bmri/>

Journal of Visualized Experiments (JoVE) - Biological Research in a Video Format
<http://www.jove.com/>

LabGuru - Research Management Resource – Your All-In-One Electronic Lab Notebook (ELN)
<http://www.labguru.com/>

Labroots - Scientific Social Networking Website
<https://www.labroots.com/>

LabWorm - Aggregator of Scientific Online Tools
<https://labworm.com/>



LeadDiscovery - Dedicated to Drug Discovery

<http://www.leaddiscovery.co.uk/>

LIMSwiki - Laboratory, Health, and Science Informatics Encyclopedia

https://www.limswiki.org/index.php/Main_Page

mBio – Open Access Journal

<http://mbio.asm.org/>

nanoHUB - Simulation, Education and Community for Nanotechnology

<https://www.nanohub.org/>

NLM Medical Text Indexer (MTI)

<http://ii.nlm.nih.gov/MTI/index.shtml>

NuGO Bioethics Guidelines Tool

<http://nugo.dife.de/bot/index.php>

Open Biological and Biomedical Ontologies (OBO)

<http://www.obofoundry.org/>

Open-i Project - An Open Access Biomedical Image Search Engine

<http://openi.nlm.nih.gov/>

OReFiL: Online Resource Finder for Lifesciences

<http://orefil.dbcls.jp/en/search/top>

PeerJ - Award Winning Biological, Medical, and Environmental Sciences Journal

<https://peerj.com/>

Peptides Guide

<http://www.peptidesguide.com/>

Personal Genome Project (PGP)

<http://www.personalgenomes.org/>

PhysioNet - Research Resource for Complex Physiologic Signals

<http://www.physionet.org/>

Plant Products Research Journal

<http://www.ajol.info/index.php/pprj>

Protocol Exchange

<https://protocolexchange.researchsquare.com/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Protocol Online - Your Lab's Reference Book

<http://www.protocol-online.org/>

Public Data Sets on AWS

<http://aws.amazon.com/publicdatasets/>

PubMed - 30 million citations for biomedical literature from MEDLINE, life science journals, and online books

<https://pubmed.ncbi.nlm.nih.gov/>

R&D Chemicals - Chemical Compounds Database

<http://www.rdchemicals.com/>

Reflect: Automated Annotation of Scientific Terms of Proteins and Small Molecules

<http://reflect.ws/>

ResearchGATE - Professional Network for Scientists

<https://www.researchgate.net/>

Resource Identification Initiative

<https://www.force11.org/group/resource-identification-initiative>

Resource Informagen™ - Biotech Company Directories

<http://informagen.com/Directories/Biotech.php>

Resources for Bioinformatics

<http://guides.lib.udel.edu/content.php?pid=163662>

RNAMiner - A Bioinformatics Protocol for Mining Large RNA-Seq Transcriptomics Data

<http://calla.rnet.missouri.edu/rnaminer/>

Scientific Protocols

<https://protocols.scienceexchange.com>

Scientist Solutions - International Life Science Community

<http://www.scientistsolutions.com/>

Scitable - A Collaborative Learning Space for Life Sciences

<http://www.nature.com/scitable>

SHIRAZ Project

<http://shiraz.ist.psu.edu/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

South African National Bioinformatics Institute

<http://www.sanbi.ac.za/>

The Biology Project

<http://www.biology.arizona.edu/>

The Cell Image Library™

<http://www.cellimagelibrary.org/>

The Kepler Project

<https://kepler-project.org/>

The Microbiology Information Portal

<http://www.microbes.info/>

The National Human Genome Research Institute: Fact Sheets About Genomics

<http://www.genome.gov/10000202>

The TAMBIS Project

<http://www.cs.man.ac.uk/~stevensr/tambis/>

The Winnower - Open Access Online Scholarly Publishing Platform

<https://thewinnower.com/>

Transcriptic – Powering On-DEMAND Discovery Biology

<https://www.transcriptic.com/>

uBio - Indexing and Organizing 11,106,374 Biological Names

<http://www.ubio.org/>

UK Biobank - Improving the Health of Future Generations

<http://www.ukbiobank.ac.uk/>

VADLO - BioMedical and Life Sciences Search Engine

<http://vadlo.com/>

Visual Medical Dictionary

<http://www.curehunter.com/public/dictionary.do>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

HEALTH INFORMATICS: (Medical Informatics)

American Medical Informatics Association (AMIA)

<http://www.amia.org/>

Authoratory - Database of Leading PubMed Scientists

<http://www.authoratory.com/>

CureHunter - Medical Search and Discovery

<http://www.CureHunter.com/>

**DIRECT2Experts - Distributed Interoperable Biomedical Research Experts
Collaboration Tool**

<http://direct2experts.org/>

EAGLE-I - Search Top Categories From 100,800 Biomedical Resources

<https://www.eagle-i.net/>

Encyclopedia of Biomaterials and Biomedical Engineering

<http://www.tandfonline.com/doi/book/10.1081/E-EBBE>

Framingham SNP Health Association Resource (SHARe)

http://www.ncbi.nlm.nih.gov/projects/gap/cgi-bin/study.cgi?study_id=phs000007.v20.p8

**Health Informatics Forum - Discussion Forum for Health Informatics
Professionals and Students**

<http://www.healthinformaticsforum.com/>

International Journal of Biomedical Sciences (IJBS)

<http://www.ijbs.org/>

International Journal of Medical Microbiology

<http://www.sciencedirect.com/science/journal/14384221>

JMIR : Journal of Medical Internet Research

<http://www.jmir.org/>

OpenClinica – Largest Open Source Community Powering Better Clinical Research

<https://community.openclinica.com/>

openEHR – Open Industry Specifications, Models, and Software for e-health

<http://www.openehr.org/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

NEUROINFORMATICS: (NI)

International Neuroinformatics Coordinating Facility (INCF)

<http://www.incf.org/>

National Ecological Observatory Network (NEON)

<http://www.neoninc.org/>

NIH Guide: The Human Brain Project (Neuroinformatics): Phase I - Feasibility; Phase II - Refinements, Maintenance and Integration [Archives]

<http://grants1.nih.gov/grants/guide/pa-files/PAR-03-035.html>

SenseLab – National Databases – Olfactory Databases – Disease Database

<http://senselab.med.yale.edu/>

BIODIVERSITY INFORMATICS: (BDI)

Biodiversity Informatics Peer Reviewed Open Access Journal

<https://journals.ku.edu/index.php/jbi>

Chemistry & Biodiversity

<http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291612-1880>

Global Biodiversity Information Facility

<http://www.gbif.org/>

GRAIN - Agricultural Biodiversity

<http://www.grain.org/>

Overview of Biodiversity Informatics

<http://research.calacademy.org/>

BIOMOLECULAR INFORMATICS: (BioInformatics)

ActionBioscience.org

<http://www.actionbioscience.org/index.html>

AddGene - Better Way to Share Plasmids

<http://www.addgene.org/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Algorithms for Molecular Biology

<http://www.almob.org/>

American Journal of Medical Genetics Part B: Neuropsychiatric Genetics

<http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291552-485X>

A New CRISPR Tool Flips Genes On and Off Like a Light Switch

<https://singularityhub.com/2021/04/27/a-new-crispr-tool-flips-genes-on-and-off-like-a-light-switch/>

Ares Lab Yeast Intron Database

http://compbio.soe.ucsc.edu/yeast_introns.html

arXiv.org – Open Access e-Prints

<https://arxiv.org/>

ASC: Active Sequence Collection

<http://bioinformatica.isa.cnr.it/ASC/>

BELIT - Bioethics Literature Database

http://www.drze.de/belit-1/search-2/quick-search/recherche.html?set_language=en

Bento Lab – Experience Genetics Everywhere

<https://www.bento.bio/>

Biocompare - Buyer's Guide for Life Scientists

<http://www.biocompare.com/>

Bioenergy Research

<http://www.biopress.dk/>

BioForge - Community for Biological Innovation

<http://www.cambia.org/daisy/cambia/4272>

BioGRID

<http://www.thebiogrid.org/>

BioHunter _ Research Articles Finder

<https://www.biohunter.in/>

Bioinformatics and Biology Insights

<http://www.la-press.com/bioinformatics-and-biology-insights-journal-j39>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Bioinformatics

<http://informagen.com/Bioinformatics.php>

Bioinformatics.Net

<http://www.technologynetworks.com/Informatics/>

Bioinformatics.org

<http://www.Bioinformatics.org/>

Bioinformatics Links

<http://www.ii.uib.no/~inge/list.html>

Bioinformatics Online (EBO)

<http://www.la-press.com/evolutionary-bioinformatics-journal-j17>

Bioinformatics Tools

http://web.ornl.gov/sci/techresources/Human_Genome/index.shtml

<http://www.ncbi.nlm.nih.gov/guide/all/#tools>

Bioinformatics - UCSC Science & Engineering Library Subject Guides

<http://guides.library.ucsc.edu/biologymcd>

Bioinformatic Workflow Builder Interface

<https://www.ibm.com/developerworks/community/groups/service/html/communityview?communityUuid=18d10b14-e2c8-4780-bace-9af1fc463cc0>

Bioinformation

<http://www.bioinformation.net/>

Biointerphases: An Open Access Journal for the Biomaterials Interface Community

<http://biointerphases.org/>

BioLINCC – Biologic Specimen and Data Repository Coordinating Center

<https://biolincc.nhlbi.nih.gov/>

Biological Theory: Integrating Development, Evolution, and Cognition

<http://mitpressjournals.org/biot>

Biology Direct

<http://www.biologydirect.com/>

Biomacromolecules

<http://pubs.acs.org/journal/bomaf6>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Bio Mapping / Emotion Mapping

<http://biomapping.net/>

Biomarker Insights

<http://www.la-press.com/biomarker-insights-journal-j4>

BioMed Central

<http://www.biomedcentral.com/>

Biometric Technology Today

<http://www.sciencedirect.com/science/journal/09694765>

BioMolecular Engineering Research Institute (BMERC)

<http://www.bu.edu/bmerc/>

BioNanomatrix, Inc (BNM)

<http://www.bionanomatrix.com/>

BIONLP.ORG - Natural Language Processing of Biology Text

<http://www.ccs.neu.edu/home/futrelle/bionlp/>

BioRuby [Open source bioinformatics library for Ruby]

<http://bioruby.org/>

bioRxiv – The Preprint Server for Biology

<http://biorxiv.org/>

Biotechnology Journal (BTJ)

<http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291860-7314>

Biotechnology Resources

<http://www.BiotechnologyResources.info/>

BIOZ – Best Way To Find Scientific Data

<https://www.bioz.com/>

BLAST UTR db: Untranslated Regions Database

<http://www.ba.itb.cnr.it/BIG/Blast/BlastUTR.html>

Briefings in Functional Genomics and Proteomics

<http://bfg.oxfordjournals.org/>

BSML - Bioinformatics Sequence Markup Language

<http://xml.coverpages.org/bsml.html>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Cambridge Crystallographic Data Centre

<http://www.ccdc.cam.ac.uk/>

Cancer Genome Atlas

<http://cancergenome.nih.gov/>

Cancer Genomics Publications Data Sets

<http://www.broadinstitute.org/cgi-bin/cancer/datasets.cgi>

Cell Biochemistry and Biophysics (CBB)

<http://www.springer.com/life+sciences/biochemistry+%26+biophysics/journal/12013>

Cell Division

<http://www.celldiv.com/>

Centre for Molecular and Biomolecular Informatics

<http://www2.cmbi.ru.nl/>

Certara – Advancing Modern, Efficient Drug Development

<https://www.certara.com/>

Chemical Biology & Drug Design

<http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291747-0285>

Clarivate – Changing the Way the World’s Risk-Takers and Trailblazers Create Life-Changing Innovations

<https://clarivate.com/>

Computational Biology and Chemistry

<http://www.sciencedirect.com/science/journal/14769271>

Connectivity Map - Connecting Diseases, Genes and Drugs (CMAP)

http://www.broadinstitute.org/genome_bio/connectivitymap.html

CorePsych - Brain and Body Connections

<http://www.corepsych.com/>

CRISPR – Clustered Regularly Interspaced Short Palindromic Repeats

<https://www.cbinsights.com/research/what-is-crispr>

CRISPRoff – Programmable Epigenetic Memory Writer

[https://www.cell.com/cell/fulltext/S0092-8674\(21\)00353-6?_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS0092867421003536%3Fshowall%3Dtrue](https://www.cell.com/cell/fulltext/S0092-8674(21)00353-6?_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS0092867421003536%3Fshowall%3Dtrue)



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

CSH Protocols

<http://cshprotocols.cshlp.org/>

CUTG : Codon Usage Tabulated from GenBank

<http://www.kazusa.or.jp/codon>

Data Mining Resources 2021

<http://www.DataMiningResources.info/>

dbGaP - Database of Genotype and Phenotype

<http://www.ncbi.nlm.nih.gov/gap>

DNA Research

<http://dnaresearch.oxfordjournals.org/>

DrugBank Database

<http://www.drugbank.ca/>

EBI and Ghent University Launch PRIDE: An Open Source Database Of Protein Identifications

http://www.innovations-report.com/html/reports/life_sciences/report-48290.html

EdX: The Extremes of Life: Microbes and their Diversity

<https://www.edx.org/course/extremes-life-microbes-diversity-kyotoux-003x-0>

eLabFTW - Free and Open Source Electronic Lab Notebook

<https://www.elabftw.net/>

Electronic Laboratory Notebook (ELN) and Laboratory Information Management System (LIMS)

<http://www.labii.com/>

eLife – Open Science and Open Technology Innovation

<https://elifesciences.org/>

EMBL SMART : Simple Modular Architecture Research Tool (for Proteins)

<http://smart.embl.de/>

Encyclopedia of DNA Elements (ENCODE)

<http://www.encodeproject.org/ENCODE/>

Encyclopedia of Medical Genomics and Proteomics

<http://www.tandfonline.com/doi/book/10.1081/E-EMGP>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Ensembl Genome Browser

<http://www.ensembl.org/>

Environmental Bioindicators

<http://www.tandfonline.com/toc/uebi20/current>

European Bioinformatics Institute – The Home for Big Data in Biology

<http://www.ebi.ac.uk/>

European Bioinformatics Institute: Research Groups

<http://www.ebi.ac.uk/research>

Evolutionary Bioinformatics Online (EBO)

<http://www.la-press.com/evolutionary-bioinformatics-journal-j17>

Evolutionary Intelligence – Create Intelligent Algorithms

<http://www.neuroblast.net/>

ExploreProtocols.io - Share and Discover Life Science Methods

<https://www.protocols.io/>

Functional Glycomics Gateway

<http://www.functionalglycomics.org/>

Genamics SoftwareSeek

<http://genamics.com/software/>

Genographic Project 2020

<https://genographic.nationalgeographic.com/>

Genome Bioinformatics – Genome Browser - UCSC

<http://genome.ucsc.edu/>

Genome Biology and Evolution

<http://gbe.oxfordjournals.org/>

Genome-Tools

http://freecode.com/projects/genome-tools?branch_id=46085&release_id=183048

Genomics, Proteomics & Bioinformatics

<http://www.sciencedirect.com/science/journal/16720229>

GenScript - Your One Stop Wet Lab for Biology

<http://www.genscript.com/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Guide to Selected Bioinformatics Internet Resources

<http://www.istl.org/02-winter/internet.html>

GUS - The Genomics Unified Schema [Site Last Updated 2005]

<http://www.gusdb.org/>

How the Bio Revolution Could Transform the Competitive Landscape

<https://www.mckinsey.com/business-functions/mckinsey-digital/our-insights/how-the-bio-revolution-could-transform-the-competitive-landscape>

HS3D - Homo Sapiens Splice Sites Dataset

<http://www.sci.unisannio.it/docenti/rampone>

International Journal of Data Mining and Bioinformatics (IJDMB)

<http://www.inderscience.com/jhome.php?jcode=ijdmb>

Internet Resources for Bioinformatics

<http://guides.lib.udel.edu/content.php?pid=163662>

Invertebrate Biology

<http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291744-7410>

Journal of Biological Chemistry

<http://www.jbc.org/>

Journal of Biomaterials Science, Polymer Edition

<http://www.ingentaconnect.com/content/tandf/bsp>

Journal of Genetics

<http://www.ias.ac.in/jgenet/>

Journal of Molecular Histology

<http://link.springer.com/journal/10735>

Journal of Molecular Signaling

<http://www.jmolecularsignaling.com/>

Journal of Pharmacy and Bioresources (JPB)

<http://www.ajol.info/index.php/jpb>

Journal of Proteome Research

<http://pubs.acs.org/journal/jprobs>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Kaggle - Data Mining, Forecasting and BioInformatics Competitions
<http://kaggle.com/>

KEGG: Kyoto Encyclopedia of Genes and Genomes
<http://www.genome.jp/kegg/>

Lawrence Berkeley National Laboratory: VISTA
<http://genome.lbl.gov/vista/index.shtml>

Macromolecular Bioscience
<http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291616-5195>

MethDB : DNA Methylation Database
<http://www.methdb.de/>

Microbiology [Particular coverage for Russian microbiology-related developments]
<http://link.springer.com/journal/11021>

MIX - Meta-analysis with Interactive eXplanations in Excel
<http://www.meta-analysis-made-easy.com/>

Molecular and Cellular Proteomics (MCP)
<http://www.mcponline.org/>

Molecular BioSystems
<http://pubs.rsc.org/en/journals/journalissues/mb#!recentarticles&all>

Molecular Cytogenetics
<http://www.molecularcyto genetics.org/>

Molecular Genetics, Microbiology and Virology
<http://link.springer.com/journal/11965>

Molecular Plant-Microbe Interactions (MPMI)
<http://www.apsnet.org/publications/mpmi/Pages/default.aspx>

National Center for BioTechnology Information (NCBI)
<http://www.ncbi.nlm.nih.gov/>

National Information Center on Health Services Research and Health Care Technology (NICHSR)
https://hsric.nlm.nih.gov/hsric_public/



Nature Methods

<http://www.nature.com/nmeth/index.html>

Nature Nanotechnology

<http://www.nature.com/nnano/index.html>

Neurochemical Journal

<http://link.springer.com/journal/11710>

Neuron Glia Biology

<http://journals.cambridge.org/action/displayJournal?jid=NGB>

Neurotransmitter - Biomedical Information in Neuroscience, Pharmacology and Psychology

<http://www.neurotransmitter.net/>

NHGRI Statute and Legislation Database

<http://www.genome.gov/PolicyEthics/LegDatabase/pubsearch.cfm>

Oligonucleotides – now known as Nucleic Acid Therapeutics

<http://online.liebertpub.com/loi/oli>

OMIM - Online Mendelian Inheritance in Man

<http://www.ncbi.nlm.nih.gov/omim>

OpenClinica: Professional Open Source Solutions for the Clinical Research Enterprise

<https://community.openclinica.com/>

PeerJ – Award Winning Biological, Medical, and Environmental Sciences Journal

<https://peerj.com/>

PharmGKB: The Pharmacogenetics and Pharmacogenomics Knowledge Base

<http://www.pharmgkb.org/>

PhenX Toolkit

<https://www.phenxtoolkit.org/>

PLOS: Pathogens

<http://journals.plos.org/plospathogens/>

PPAR Research

<http://www.hindawi.com/journals/ppar/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Programming Life: An Interview with Jennifer Doudna – Co-Discoverer of CRISPR-Cas9

<https://www.mckinsey.com/industries/pharmaceuticals-and-medical-products/our-insights/programming-life-an-interview-with-jennifer-doudna>

Project Ensembl

<http://asia.ensembl.org>

ProteinDBS

<http://proteindbs.rnet.missouri.edu/>

Protein Journal

<http://link.springer.com/journal/10930>

Protocol Exchange

<https://www.nature.com/protocolexchange>

Protocol Online - Your Lab's Reference Book

<http://www.protocol-online.org/>

Proteomics

<http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291615-9861>

PROWL [Mass Spectrometry of Biological Macromolecules]

<http://prowl.rockefeller.edu>

PSI-Nature Structural Biology Knowledgebase (PSI SBKB)

<http://sbkb.org/>

RECAP – Informing Key Biopharmaceutical Decisions - Clarivate

<http://www.recap.com/>

Registry of Standard Biological Parts

http://parts.igem.org/Main_Page

Russian Journal of Genetics

<http://link.springer.com/journal/11177>

Scalable Molecular Dynamics (NAMD)

<http://www.ks.uiuc.edu/Research/namd/>

Scientific Protocols - Free and Easy Way To Share Scientific Protocols

<https://protocols.scienceexchange.com/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Search NCBI

<https://www.ncbi.nlm.nih.gov/search/>

Silencing Genomes

<http://www.silencinggenomes.org/>

S/MARt DB

<http://smartdb.bioinf.med.uni-goettingen.de/>

SmidgION - Nanopore Sensing for Use With Mobile Devices

<https://nanoporetech.com/products/smidgion>

Source Code for Biology and Medicine

<http://www.scfbm.org/>

SmidgION – Nanopore Sensing for Use With Mobile Devices

<https://nanoporetech.com/products/smidgion>

STRBase : Short Tandem Repeat DNA Internet Database

<http://www.cstl.nist.gov/div831/strbase>

StructuralBiology KnowledgeBase

<http://sbkb.org/>

Synapse

<http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291098-2396>

Talking Glossary of Genetic Terms

<http://www.genome.gov/glossary/>

Textpresso – Knowledge Discovery Through Full Text Mining, Classification and Searching

<http://www.textpresso.org/>

The Bio Revolution: Innovations Transforming Economies, Societies, and Our Lives

<https://www.mckinsey.com/industries/pharmaceuticals-and-medical-products/our-insights/the-bio-revolution-innovations-transforming-economies-societies-and-our-lives>

The CIPRES Science Gateway V. 3.3

<https://www.phylo.org/>

The Genetic Codes

<http://www.ncbi.nlm.nih.gov/Taxonomy/Utils/wprintgc.cgi?mode=c>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

The Kepler Project

<https://kepler-project.org/>

The Microbiology Information Portal

<http://www.microbes.info/>

The PubChem Project – Explore Chemistry

<http://pubchem.ncbi.nlm.nih.gov/>

The TAMBIS Project

<http://www.cs.man.ac.uk/~stevensr/tambis/>

The Wellcome Trust Sanger Institute

<http://www.sanger.ac.uk/>

The Winnower – Open Access Online Scholarly Publishing Platform

<https://thewinnower.com/>

ToPNet (Protein Topology Calculation Software)

<http://networks.gersteinlab.org/>

Transcriptic - Discovery Biology On Demand

<https://www.transcriptic.com/>

Transinsight - Intelligent Search Technologies for the Life Sciences

<http://transinsight.com/>

Translational OncoGenomics

<http://www.la-press.com/translational-oncogenomics-journal-j19>

Transmembrane Structure Prediction Servers

<http://split.pmfst.hr/split/4/others.html>

Tree of Life Web Project (ToL)

<http://tolweb.org/tree/>

UCLA Bioinformatics Program

<http://www.bioinformatics.ucla.edu/>

UK Biobank – Improving the Health of Future Generations

<http://www.ukbiobank.ac.uk/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

VADLO - Life Sciences Search Engine

<http://www.vadlo.com/>

Visual Complexity

<http://www.visualcomplexity.com/>

World's Knowledge at Your Fingertips

<https://mindzilla.com/>

ZBIT Bioinformatics Toolbox: A Web-Platform for Systems Biology and Expression Data Analysis

<http://journals.plos.org/plosone/article?id=10.1371%2Fjournal.pone.0149263>

Awareness Watch™ Spotters

Updated> 2021 Guide to Searching the Internet

<http://www.zillman.us/white-papers/searching-the-internet/>

<http://www.2021SearchingTheInternet.com/>

Searching the Internet is now as common place as driving the car and most people consider the use of just one search engine to obtain results that they are looking for. This paper is designed to open your eyes to the many excellent resources on the Internet to search for information and/or to discover new knowledge in 2021! This paper will explain to you a number of ways to search for information on the Internet and methods to continue your searches and knowledge discovery without depending upon Bing or Google!!. This paper is also designed for the “newbie” to the Internet or for the person who only uses one source to search for information on the Internet. Of course there are many hidden jewels for the seasoned searcher!! **2021 Guide to Searching the Internet:** Re-Created: December 19, 2020 and Updated April 19, 2021; 21 Pages PDF (1.37MB).

Academic and Scholar Search Engines and Sources 2021

<http://www.ScholarSearchEngines.com/>

Internet Annotated Link Dataset Compilation titled “Academic and Scholar Search Engines and Sources 2021” is now a 83 page research paper listing selected resources both new and existing that will help anyone who is attempting to find academic and scholarly information and knowledge available on the Internet. Each source is described along with the URL address than can be accessed. It is freely available as a .pdf file (977KB) at the above link from the [Virtual Private Library™](#) and authored by [Marcus P. Zillman, M.S., A.M.H.A.](#) [Completely Updated with all links validated and new URLs added: May 1, 2021]. Other white papers are available by clicking [here](#).



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

International Trade Resources 2021

<http://www.InternationalTradeResources.info/>

The above is the associated white paper link compilation of the [International Trade Resources 2021](#) Subject Tracer™ Information Blog by [Marcus P. Zillman, M.S., A.M.H.A.](#) It is now a 26 page .pdf document 706KB. [**Updated completely with all link validation and new links added on April 21, 2021**] Other white papers are available by clicking [here](#).

Deep Web Research and Discovery Resources 2021

<http://www.DeepWeb.us/>

I have just updated my white paper link dataset compilation and now titled **Deep Web Research and Discovery Resources 2021** and it is now a 81 page 911KB PDF document freely available directly from the above URL. This update verified all links as well as reviewed all resources covered including adding additional links. Currently this has been downloaded over 8,000,000+ times!

Updated> Finding People Resources and Sites 2021

<http://www.FindingPeople.info/>

The above is the associated white paper link compilation of the [Finding People Resources and Sites 2021](#) Subject Tracer™ Information Blog by [Marcus P. Zillman, M.S., A.M.H.A.](#). It is now a 23 page .pdf document (7443KB). [**Completely updated with all links verified and new links added on May 6, 2021**] Other white papers are available by clicking [here](#). Visit my just updated for 2021 54 Subject Tracers™ by clicking [here](#).

Open Educational Resources (OER) Sources 2021

<http://www.OERSources.com/>

“Open Educational Resources (OER) are freely accessible, openly licensed text, media, and other digital assets that are useful for teaching, learning, and assessing as well as for research purposes.” [Wikipedia] Costs continue to rise for students who are pursuing college and post graduate degree programs. By leveraging best practice sites, services and non-traditional options to expand knowledge, skills and abilities in many disciplines, students can choose from a wide range of options to complete their respective goals. This freely available guide, Open Educational Resources (OER) Sources 2021, is a comprehensive listing of useful open educational resources, sources and sites on the Internet that can assist you in optimizing your learning opportunities. This will be added to [OERSearchEngine.com/](#). This will be added to [Education and Academic Resources 2021](#) Subject Tracer™. This will be added to [Student Research Resources](#) Subject Tracer™. Complete Update Including All Links Validated on **May 1, 2021**; [55 pages, 920KB PDF]

New Normal Startup Resources 2021

<http://www.NewNormalStartUpResources.com/>

http://whitepapers.VirtualPrivateLibrary.net/New_Normal_Startup_Resources_2021.pdf

The white paper link dataset compilation of the **New Normal Startup Resources 2021**



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Subject Tracer™ Information Resource by [Marcus P. Zillman, M.S., A.M.H.A.](#) has just been updated **May 1, 2021** and is now a freely available 45 page .pdf document 717KB listing the latest and greatest online resources and sites for the new normal startup resources!. Other white papers are available by clicking [here](#). This is a MUST publication for every business in today's COVID-19 world!!

Military Resources 2021 White Paper Link Dataset Compilation

<http://www.MilitaryResources.info/>

The above white paper link dataset compilation of the [Military Resources 2021](#) Subject Tracer™ by [Marcus P. Zillman, M.S., A.M.H.A.](#) is a freely available 15 page .pdf document (663KB) listing the latest and greatest online resources and sites for the military! Complete Update Including All Links Validated on May 8, 2021. Other white papers are available by clicking [here](#).

2021 Directory of Directories

http://whitepapers.VirtualPrivateLibrary.net/2021_Directory_of_Directories.pdf

<http://www.2021DirectoryOfDirectories.com/>

The above is a white paper link dataset compilation of the [2021 Directory of Directories](#) Subject Tracer™ Information Blog by Internet Expert [Marcus P. Zillman, M.S., A.M.H.A.](#) This **2021 Directory of Directories** covers all the competent and well maintained directories available from the Internet and makes for an excellent alternative search resource! It is now a 33 page .pdf document 759KB. [Updated on January 20, 2021] Other white papers are available by clicking [here](#).

June 2021 Zillman Column: 2021 New Economy Resources

http://columns.virtualprivatelibrary.net/2021_New_Economy_June21_column.pdf

<http://www.ZillmanColumns.com/>

The June 2021 Zillman Column features 2021 New Economy Resources by Marcus P. Zillman, M.S., A.M.H.A.; Executive Director of the Virtual Private Library. This is a comprehensive listing of new economy resources, sites and tools on the Internet and available in the new “zoom” education/learning age. These competent new economy resources and tools will be your search engine for your research. The below list of sources is taken from his Subject Tracer™ Information Blog titled New Economy Resources 2021 and is constantly updated with Subject Tracer™ bots at the following URL: <http://www.NewEconomyResources.com/>. These resources and sources will help you to discover the many pathways available to you through the Internet to find the latest new economy resources, sources and sites. This is another MUST have column to discover the latest 2021 competent onlinenew economy resources and tools to give you the information you need in today's ever changing and fast paced [2021 New Economy](#) business and academic research world and the [New Normal](#).

2021 Guide to Finding Experts by Using the Internet

<http://www.FindingExperts.info/>

I have just created a new white paper link compilation called **2021 Guide to Finding**



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Experts By Using the Internet. This is now a 22 page .pdf file (611KB) and freely available from the above URL. 2021 Guide to Finding Experts By Using the Internet is dedicated to giving you internet sources to discover that needed expert(s) that you have been looking for. The Internet is a vast global resource of knowledge created by experts and the ability to find and contact these experts is extremely important for both academic activities as well as business and special interest needs. Completely updated including all links validated and new links added on **January 14, 2021**; [22 pages 611KB .pdf]. Additional white papers available by clicking [here](#).

Current Awareness Tools 2021

http://whitepapers.virtualprivatelibrary.net/current_awareness_tools_2021.pdf

<http://www.CurrentAwarenessTools.com/>

Research white paper titled “**Current Awareness Tools 2021**” is an 19 page research paper listing many resources both new and existing that will help anyone who is attempting to find information and knowledge research about current awareness tools available on the Internet. It is freely available as a .pdf file (204KB) at the above link from the Virtual Private Library™ and authored by [Marcus P. Zillman, M.S., A.M.H.A.](#) It was updated on **January 29, 2021**. Other white papers are available by clicking [here](#).

Crowd Funding Resources 2021

http://whitepapers.virtualprivatelibrary.net/Crowd_Funding_Resources_2021.pdf

<http://www.CrowdFundingResources.info/>

The above white paper link dataset compilation of the [Crowd Funding Resources 2021](#) Subject Tracer™ by [Marcus P. Zillman, M.S., A.M.H.A.](#) is a freely available 20 page .pdf document (528KB) listing the latest and greatest online resources and sites for crowd funding! Complete Update Including All Links Validated on **January 28, 2021** . Other white papers are available by clicking [here](#).

Start Up Resources for Entrepreneurs 2021

<http://www.StartUpResources.us/>

Start Up Resources is a publication from the Virtual Private Library and freely available from the above URL. Sections include: a) Idea Validation – How To Validate Your Startup Idea; b) Bootstrapping; c) Pitching; d) Lean Startup; e) Customer Development (CustDev); f) Minimum Viable Product (MVP); g) Launching; h) Funding/Venture Capital/Seed Capital/Angel Investing; i) Landing Page Optimization; j) PR/Press/Marketing; k) Conversion Rate Optimization; l) Tools, Resources and Videos; and m) Subject Tracer™ Information Blogs. This is now a **26 page pdf document (561KB)** and updated on **January 5, 2021**. This has been added to to [Entrepreneurial Resources](#) Subject Tracer™.

eMarketing MiniGuide 2021

http://whitepapers.virtualprivatelibrary.net/eMarketing_MiniGuide_2021.pdf

<http://www.eMarketingMiniGuide.com/>

Freely available **eMarketing MiniGuide 2021** by [Marcus P. Zillman, M.S., A.M.H.A.](#)



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

The 16 page (807KB) PDF miniguide updated January 11, 2021 covers the following areas: B2b Marketing; Book Self-Publishing; Content Marketing; Conversion Rate Optimization; Landing Page Optimization; Lead Generation, Lead Nurturing, Lead Scoring and Lead Management; Lead/Agile Software Development; Marketing Automation; Public Relations/Press Releases; Social Media Marketing; Web Marketing .Internet Marketing; Web User Experience; Miscellaneous; and Subject Tracer™ Information Blogs. Visit this freely available **eMarket MiniGuide 2021** today and use all these excellent resources. Please spread the word about this freely available MiniGuide to all your friends, associates and social media networks!! Visit my just updated for 2021 54 Subject Tracers™ by clicking [here](#).

Financial Sources for the Family Office 2021

http://whitepapers.virtualprivatelibrary.net/Financial_Sources_for_the_Family_office.pdf
<http://www.FinancialSourcesFamilyOffice.com/>

The above is a white paper link dataset compilation for **Financial Sources for the Family Office 2021** by [Marcus P. Zillman, M.S., A.M.H.A.](#) It is now a 37 page .pdf document 786KB. [Released on January 5, 2021] Other white papers are available by clicking [here](#).

Awarenesswatch™ Paper Review

Communities of Making: Exploring Parallels Between Fandom and Open Source
by *Rachel Winter, Anastasia Salter, and Mel Stanfill.*

<https://firstmonday.org/ojs/index.php/fm/article/view/10870>

Abstract:

Studies of social media frequently focus on the most popular platforms (Facebook, Twitter, Instagram, etc.) and fail to consider more unconventional platforms and communities that nevertheless fit the criteria of social media. A comparison of fan communities emphasizing different content structures (Archive of Our Own, DeviantArt, and Fanfiction.net) to open source community platform GitHub can provide insight into the practices of communities of making, regardless of even substantial differences in purposes and affordances, while expanding the traditional definition of social media. Study of both fan and open source communities revealed commonalities across platforms, such as non-market practices with deep market ties; gift economies that run on status; and a lack of inclusivity. We argue that the dynamics of inclusion and exclusion, labor, and value on social media platforms can be illuminated by putting these platforms and their communities into conversation.



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Subject Tracer™ Information Blogs

Subject Tracer™ Information Blogs created and developed by the Virtual Private Library™ combine the best of the latest tools on the Internet. Using bots, blogs and news aggregators the Subject Tracer™ Information blogs generate RSS feeds with the latest resources to create a current information resource flow through niched subject tracers. I am proud to be the creator of the Internet's first Subject Tracer™ Information Blogs:

Virtual Private Library™

<http://www.VirtualPrivateLibrary.com/>

Accessibility Resources

<http://www.AccessibilityResources.info/>

Agriculture Resources

<http://www.AgricultureResources.info/>

AnswerSpot

<http://www.AnswerSpot.co/>

Artificial Intelligence Resources

<http://www.AIResources.info/>

Astronomy Resources

<http://www.AstronomyResources.info/>

Auction Resources

<http://www.AuctionResources.info/>

Biological Informatics

<http://www.BiologicalInformatics.info/>

Biotechnology Resources

<http://www.BiotechnologyResources.info/>

Bot Research

<http://www.BotResearch.info/>

Business Intelligence Resources

<http://www.BIOOnlineResources.com/>

ChatterBots

<http://www.ChatterBots.info/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Data Mining Resources

<http://www.DataMiningResources.info/>

Deep Web Research

<http://www.DeepWebResearch.info/>

Directory Resources

<http://www.DirectoryResources.info/>

eCommerce Resources

<http://eCommerceResources.info/>

Education and Academic Resources

<http://www.EducationResources.info/>

Elder Resources

<http://www.ElderResources.info/>

Employment Resources

<http://www.EmploymentResources.info/>

Entrepreneurial Resources

<http://www.EntrepreneurialResources.info/>

Fact Checkers Directory

<http://www.FactCheckers.us/>

Financial Sources

<http://www.FinancialSources.info/>

Finding People

<http://www.FindingPeople.info/>

Games Resources

<http://www.GamesResources.info/>

Genealogy Resources

<http://www.GenealogyResources.info/>

Grant Resources

<http://www.GrantResources.info/>

Green Files

<http://www.GreenFiles.info/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Grid, Distributed and Cloud Computing Resources

<http://www.GridResources.info/>

Healthcare Resources

<http://www.HealthcareResources.info/>

Information Futures Markets

<http://www.InformationFuturesMarkets.com/>

Information Quality Resources

<http://www.InformationQualityResources.info/>

International Trade Resources

<http://www.InternationalTradeResources.info/>

Internet Alerts

<http://www.InternetAlerts.info/>

Internet Demographics

<http://www.InternetDemographics.info/>

Internet Experts

<http://www.InternetExperts.info/>

Internet Hoaxes

<http://www.InternetHoaxes.info/>

Intrapreneurial Resources

<http://www.IntrapreneurialResources.info/>

Journalism Resources

<http://www.JournalismResources.info/>

Knowledge Discovery

<http://www.KnowledgeDiscovery.info/>

Military Resources

<http://www.MilitaryResources.info/>

New Economy Analytics, Resources and Alerts

<http://www.NewEconomyAnalytics.com/>

Outsourcing/Offshoring Information and Resources

<http://www.OutsourcingOffshore.us/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Privacy Resources

<http://www.PrivacyResources.info/>

Reference Resources

<http://www.ReferenceResources.info/>

Research Resources

<http://www.ResearchResources.info/>

RestStress™

<http://www.RestStress.com/>

Script Resources

<http://www.ScriptResources.info/>

ShoppingBots

<http://www.ShoppingBots.info/>

Social Informatics

<http://www.SocialInformatics.info/>

Statistics Resources and Big Data

<http://www.StatisticsResources.info/>

Student Research

<http://www.StudentResearch.info/>

Theology Resources

<http://www.TheologyResources.info/>

Tutorial Resources

<http://www.TutorialResources.info/>

World Wide Web Reference

<http://www.WWWReference.info/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

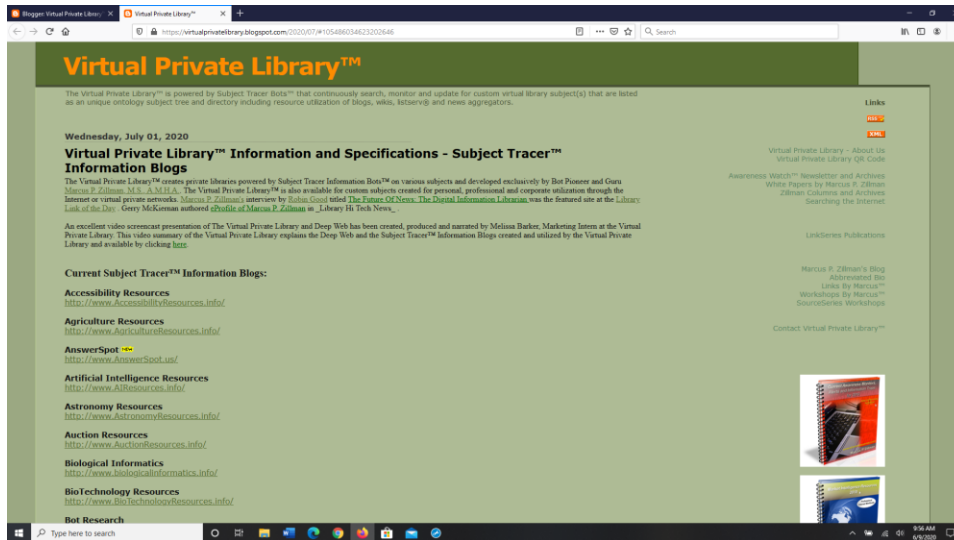


Figure 1: Virtual Private Library™

Author Information: Marcus P. Zillman, M.S., A.M.H.A. Executive Director of the Virtual Private Library is an international Internet expert, author, keynote speaker and corporate consultant in the area of information retrieval, knowledge discovery, knowledge harvesting, artificial intelligence and bots/intelligent agents. He has created numerous world wide web sites including 54 Subject Tracer™ Information Portals and Blogs; written a number of internet miniguides, white papers, manuals and books; hosted over 160 weekly Internet television shows, writes a weekly and monthly column on Current Awareness on the Internet; writes a monthly newsletter Awareness Watch and delivers keynote presentations throughout the international marketplace. He also actively delivers one and two day workshops for key industry sectors displaying how the Internet can be used as a tool to maintain current awareness and professional competencies. Additional websites by Marcus P. Zillman, M.S., A.M.H.A.:

Marcus P. Zillman's Blog (26,000+ Postings)

<http://www.zillman.us/>

Marcus P. Zillman Abbreviated Bio

<http://www.zillman.info/>

White Papers by Marcus P. Zillman

<http://www.WhitePapers.us/>

Internet MiniGuides™

<http://www.InternetMiniguide.com/>

Awareness Watch™ Newsletter

<http://www.AwarenessWatch.com/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Marcus P. Zillman's Columns
<http://www.ZillmanColumns.com>

LinkSeries Publications
<http://www.LinkSeries.com/>

Links By Marcus™
<http://www.LinksByMarcus.com/>

Workshops By Marcus™
<http://www.WorkshopsByMarcus.com/>

SourceSeries Internet Research Workshops
<http://www.SourceSeries.com/>

Watch Marcus™
<http://www.WatchMarcus.com/>

listen to marcus™
<http://www.ListenToMarcus.com>

Research White Papers, Articles, Lectures and Speeches by Marcus P. Zillman, M.S., A.M.H.A.:

2021 Directory of Directories
<http://www.2021DirectoryOfDirectories.com/>

2021 Guide to Finding Experts by Using the Internet
<http://www.FindingExperts.info/>

2021 Guide to Finding People Resources and Sites
<http://www.FindingPeople.info/>

2021 Guide to Internet Privacy Resources and Tools
<http://www.2021InternetPrivacy.com/>

2021 Guide to Searching the Internet
<http://www.SearchingTheInternet.info/>

2021 New Economy Resources
<http://www.2021NewEconomy.com/>



Academic and Scholar Search Engines and Sources 2021

<http://www.ScholarSearchEngines.com/>

Bots, Blogs and News Aggregators 2021

<http://www.BotsBlogs.com/>

Business Intelligence Online Resources 2021

<http://www.BIOnlineResources.com/>

Cloud Computing Resources Primer 2021

<http://www.zillman.us/white-papers/grid-distributed-and-cloud-computing-resources-primer/>

Current Awareness Discovery Tools on the Internet 2021

<http://www.zillman.us/white-papers/current-awareness-discovery-tools-on-the-internet/>

Deep Web Research and Discovery Resources 2021 Online White Paper

<http://DeepWeb.us/>

eMarketing MiniGuide 2021

<http://www.eMarketingMiniGuide.com/>

eReference Library Link Toolkit 2021

<http://www.eReferenceLibrary.com/>

Finding Experts By Using the Internet 2021

<http://www.FindingExperts.info/>

Finding People Resources and Sites 2021

<http://www.FindingPeople.info/>

Healthcare Bots and Subject Directories 2021

<http://www.HealthcareBots.info/>

Knowledge Discovery Resources 2021

<http://www.KDResources.info/>

New Economy Resources 2021

<http://www.NewEconomyResources.com/>

Online Research Browsers and Data Visualization Tools 2021

<http://www.zillman.us/white-papers/online-research-browsers/>



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Online Research Tools 2021

<http://www.OnlineResearchTools.info/>

Online Social Networking 2021

<http://www.OnlineSocialNetworking.info/>

Searching the Internet 2021

<http://www.SearchingTheInternet.info/>

Subject Tracers 2021

<http://www.SubjectTracers.com/>

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery 2021

<http://www.zillman.us/white-papers/using-the-internet-as-a-dynamic-resource-tool-for-knowledge-discovery/>

Web Data Extractors 2021

<http://www.WebDataExtractors.com/>

Web Guide for the New Economy 2021

<http://www.WebGuideNewEconomy.com/>

White Papers 2021 By Marcus P. Zillman, M.S., A.M.H.A.

<http://www.WhitePapers.us/>

Internet Tutor by Marcus P. Zillman, M.S., A.M.H.A.

<http://www.InternetTutor.info/>

Visit this site to learn about the availability of Marcus P. Zillman to tutor you or your associate one on one in the privacy of your residence or office on the latest happenings of the Internet including Internet basics to advanced Internet searching using bots and creating your own personal blog .

Internet Speaking by Marcus P. Zillman, M.S., A.M.H.A.

<http://www.InternetSpeaker.net>

Visit this site to learn about Marcus P. Zillman's speaking engagements for your organization meetings and events. View and listen to his previous presentations as well as his weekly television shows.

Internet Consulting by Marcus P. Zillman, M.S., A.M.H.A.

<http://InternetConsultant.BlogSpot.com/>

Visit this site to obtain information about obtaining the consultation services of Marcus P. Zillman for your company including eCommerce audits, utilization of bots, blogs and news aggregators or the creation of your own personal virtual private library powered by Subject Tracer™ Information bots!



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Current Awareness Monitors, Alerts and Information Traps

<http://www.ecurrentAwareness.com/>

<http://www.CurrentAwarenessTools.com>

Marcus P. Zillman's latest reports Current Awareness Monitors, Alerts and Information Traps and Current Awareness Tools 2020 are now available. One for purchase and one freely available online and immediate download. These reports are comprehensive listings of the latest resources, sources and sites for current awareness on the Internet. This is a must read for anyone who must stay current in their profession and/or business activity as the list of URLs will keep you at the leading edge of your career.

Market Intelligence Resources

<http://www.MarketIntelligenceResources.com/>

Marcus P. Zillman's just released professional Internet MiniGuide is titled Market Intelligence Resources and is available for purchase online and immediate download. This 193 page digital miniguide represents a comprehensive listing of the latest resources, sources and sites to discover the latest Market Intelligence sources available on the Internet with many of them freely available! Designed specifically for today's entrepreneur, professional and/or investor.

Entrepreneurial Links 101

<http://www.EntrepreneurialLinks.com/>

Marcus P. Zillman's newly released 231 page eReference digital book for the up and coming entrepreneur. Entrepreneurial Links 101 gives an alphabetical listing of the very best Internet and World Wide Web sites covering Entrepreneur Resources, Business Intelligence Resources and an extremely comprehensive list of Online Research Tools. This is considered by many to be the entrepreneur's bible for finding relevant and competent online resources!

Internet Privacy and Security Resources

<http://www.InternetPrivacySecurity.net/>

Marcus P. Zillman's latest eReference digital publication is a selected comprehensive alphabetical listing of the latest resources and sites covering all aspects of privacy and security currently available over the Internet. From the board room to the family room, these resources and sites give you the information you need to maintain your privacy and security as you use the Internet in your business and personal life.

Research Resources Online Guide

<http://www.ResearchResourcesOnline.net/>

Marcus P. Zillman's latest [LinkSeries Publication](#) is a 340 page digital guide of a selected comprehensive alphabetical listing of the latest and greatest resources and sites covering all areas of research that is currently available over the Internet. The guide covers online research resources and tools for the Newbie to research as well as the Seasoned researcher. Contents include: a) Research Resources, b) Research Tools, c) Student Research Resources Toolkit, d) Knowledge Discovery/Management and Data Mining



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.

Resources, e) Knowledge Discovery/Retrieval and the World Wide Web Resources, and f) Subject Tracer™ Information Blogs.

The Survivor's Manual for The New Economy.

<http://www.NewEconomyManual.com/>

Marcus P. Zillman's latest LinkSeries Publication is a 239 page digital read that gives excellent resources and annotated sources for the new economy analytics, alerts, ecommerce, financial sources, invisible and deep web resources, social and business networking sources along with new economy competitive and business intelligence resources and an extremely comprehensive listing of new economy online tools.



Awareness Watch V19N6 June 2021 Newsletter

<http://www.AwarenessWatch.com/>

zillman@VirtualPrivateLibrary.com

eVoice: 239-206-3450

© 2021 Marcus P. Zillman, M.S., A.M.H.A.