

Multiple Sclerosis Lyme Disease Historical Facts

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HISTORY OF MULTIPLE SCLEROSIS



Geoffrey Cervantes - multiple sclerosis, 2010



THE FIRST KNOWN PATIENT DG. WITH MULTIPLE SCLEROSIS



*Lidwina of Schiedam, Dutch patron Saint of Ice Skaters
(1380 – 1433)*



huius: et si vim passa fuero talē in corpore michi defor-
 mitatē iprecabor a dño q̄ de cetero ad sp̄dalicū nō co-
 ardat. q̄ audito cessauit q̄statio Cessauit eā extitit anga-
 riare p̄: quid p̄ inuāri in filia sua disposuerit paciēter
 expectās. Scies q̄d uia qm̄ inter latrunculos necesse
 habet inter dū conuersari et qm̄ p̄ter uepres et spinas
 ac saca op̄z declinare uias p̄ditionis anfractuolas et la-
 tas: cepit custodire uias duras: cepit extunc magis ab
 hoim̄ simul et coetaneaz aspectibz se subtrahere: cepit
 simpli domi cōsistere: cepit insup et dignitatis p̄posi-
 tū gēnebūdis p̄cibus deo cōmendare. Dep̄ cū se ab oī
 timultu secularis uanitatē et turbidinis segr̄aretur:
 succreuit in solitudine simplicitas: in simplicitate deu-
 tio: in deuotione dilectio s̄m̄elcē cepit. Ignorabat ad
 huc tenella d̄go celestis allocutōis archani: donec sc̄a
 manu sup eā discēt hūiliari: et in uuida carne terrestris
 hois scoria cōpurgari uidebat: eni adhuc in forme q̄b̄
 dā calos ad uina degulstāda: q̄ cura p̄tue dom̄? ex ca-
 to sibi necdū uiluerat. Sed hic qui pauperē facit et di-
 tat: humilīat et subleuat adolecentulā suā paulisp̄
 mundando deducit ad hec. et quidē sp̄s dñi bonus in
 paup̄culos respicit et cōtritos sp̄u atq̄ tremētes se d̄s
 nos eius. Ut igitur ad sp̄s sc̄i p̄uauissia lufueria coap-
 taretur aia ei? uisitās uisitauit eam orōes ex alto dñs
 ita ut dicē possit illō psalmi. Castigās castigauit me et
 mortū nō traxidit me dñs. eniuero multiplicatē sūt iustī-
 tates ei? ut acceleraret: accelerādo dñm̄ q̄eret: q̄rendo
 p̄rem̄ iueneret: iueniēdo deū possideret.

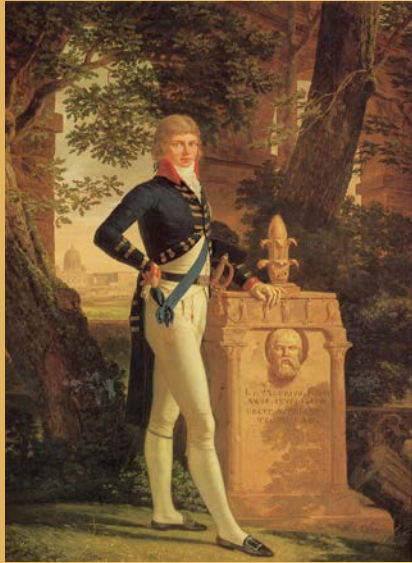


De principio infirmitatū eius: et quō a medicis dere-
 licta sit. Ca^m. scdm̄.

Doro etatis sue āno. xv. uel circiter agguata ē
 manus dñi sup eā: nā detecta p̄lici lāguoris grauedie
 facta est facies eius squalida: recepit decox eius s̄mus
 adeo ut ignerent eā qui prius nimio amore capri fue-
 rant faciente illo q̄ pulchras aias in corpibz deformi-
 bus nō abhorret. Cūq̄ despiciabilis admodū esset cunctis
 effecta: factū est una die r̄t̄e h̄p̄emali cū stridēs cā-
 pi p̄re algore cōiter ihorrescēt et flumina p̄seri in p̄tibz
 aquilonis in glaciē cōstringūtur: et d̄go nra q̄d uina
 strati infirmitatis nup̄rime d̄m̄sifit: ecce recreatōnis
 gr̄a uenit et relique locū d̄gies iulantes eā quatin?



JOHANNES BRUGMAN'S PUBLICATION
 PRINTED IN SCHIEDAM IN 1498



**SIR AUGUSTUS
FREDERICK D'ESTE
(1794–1848)**



In the month of December 1822
I travelled from Ramsgate to the
Highlands of Scotland for the purpose
of passing some days with a
Relation for whom I had the
affection of a Son. On my arrival

Saturday January 15	Glasgow		
I tried to walk in my Room		19	$\frac{3}{4}$
Sunday January 16	Glasgow		
to have walked in my Room this Day 1 Hour & 6 $\frac{1}{2}$ Minutes		66	$\frac{1}{4}$
During this Week		341	$\frac{3}{4}$
I walk 5 Hours & 41 $\frac{3}{4}$ Minutes.			

**"THE JOURNAL OF A DISAPPOINTED MAN" - 1919
(1822-1846)**





**JEAN-MARTIN CHARCOT
(1825-1893)**



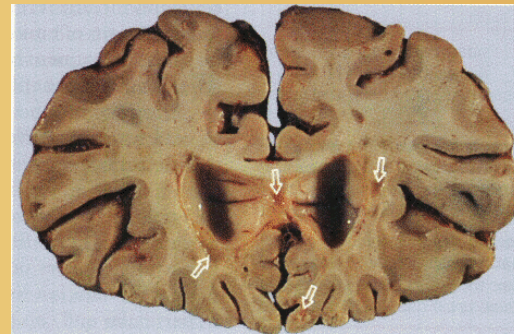
**WROTE THE FIRST COMPLETE DESCRIPTION OF
MS
AND THE CHANGES IN THE BRAIN WHICH
ACCOMPANY IT.**



1868

HE MADE THE FIRST DIAGNOSIS OF MS AND THE CLINICO-PATHOLOGICAL DEFINITION STATED BY DR. JEAN MARTIN CHARCOT STILL HOLDS TODAY:

“ On Histological Sections, Multiple Sclerosis lesions contain Perivascular Inflammation and DeMyelination. Plaques occur anywhere within the White Matter of the Central Nervous System”.



SCLEROSE EN PLAQUE: CHARCOT TRIAD:

1. NYSTAGMUS

2. INTENTION TREMOR

3. TELEGRAPHIC (SCANNING) SPEECH

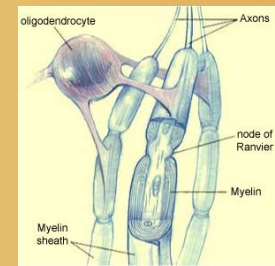
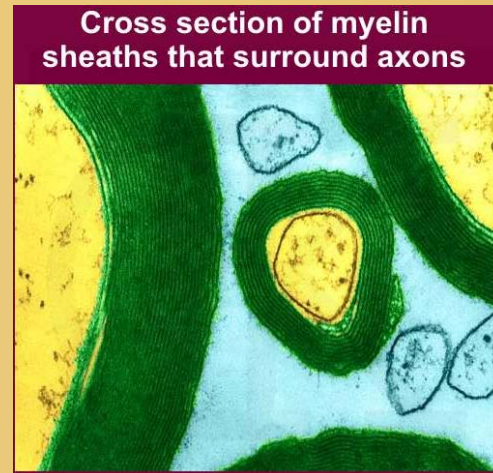
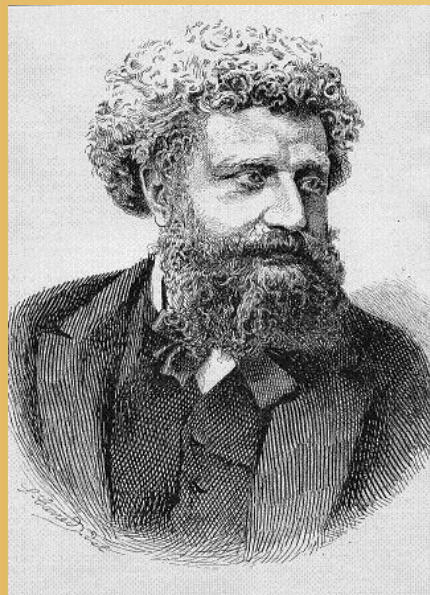


1878

MYELIN WAS DISCOVERED BY

BIOSKETCH OF LOUIS-ANTOINE RANVIER

(1835-1922)



1878 "LESSONS SUR L'HISTOLOGIE DU SYSTEME NERVEUX".



DR. JAMES WALKER DAWSON

1870-1927

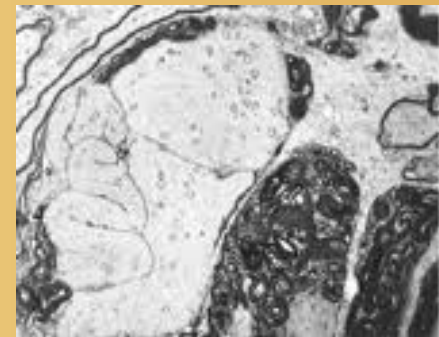
1916

PUBLISHED A LANDMARK PAPER ON THE HISTOLOGY OF
"DISSEMINATED SCLEROSIS"

"DAWSON'S FINGERS"



described the inflammation and demyelination after viewing brain cells of patients with MS through a microscope.



1947

**COLUMBIA UNIVERSITY RESEARCH
UNUSUAL PROTEIN IN CSF**

1960

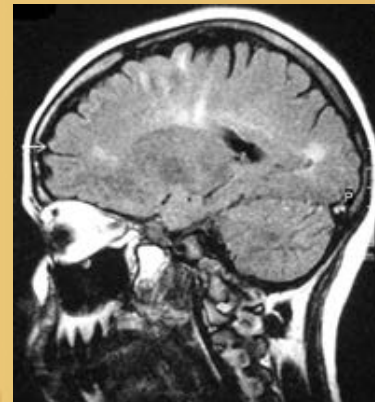
MS WAS AN AUTOIMMUNE DISEASE

1970

STEROIDS WERE USED TO TREAT ATTACKS

1980 - 1990

MRI SUPPORT



RECENTLY

**PROMISING CLINICAL RESEARCH IN THE
FORM OF STEM CELL TREATMENTS, WHICH
MAY BE ABLE TO REPAIR DAMAGED
MYELIN.**

[HTTP://WWW.MSFACTS.ORG/](http://www.msfacts.org/)



TIMELINE OF IMPORTANT EVENTS IN THE HISTORY OF LYME DISEASE



1883 ALFRED BUCHWALD (GERMANY)

THE FIRST RECORDED CASE OF LYME DISEASE

**HE DESCRIBED IT AS A DEGENERATIVE SKIN DISORDER
NOW KNOWN AS ACA (ACRODERMATITIS CHRONICA
ATORPHICANS).**



**A skin rash indicative of the third or late stage of European
Lyme borreliosis: atrophy the skin, polineuropathy**



1909

ARVID AFZELIUS PRESENTS HIS RESEARCH ON EXPANDING “RING LIKE” LESION (ERYTHEMA MIGRANS) ASSOCIATED WITH WHAT WOULD BECOME KNOWN AS LYME DISEASE.



Bull's eye



1922

**DOCTORS DESCRIBE LARGE RASH AND
NUEROLOGICAL TYPE DISEASE:**

- **FACIAL MUSCLE PARALYSIS (BELL'S Palsy),**
- **DISEASE OF PERIPHERAL NERVES
(PERIPHERAL NEUROPATHY),**
- **MENINGITIS,**
- **INCLUDING PROBLEMS WITH:**
 - **MEMORY,**
 - **MOOD OR SLEEP,**
 - **SPEAKING.**



1930 -1934

**THE DISEASE IS FOUND TO ALSO CAUSE
PSYCHIATRIC PROBLEMS:**

CONFUSION

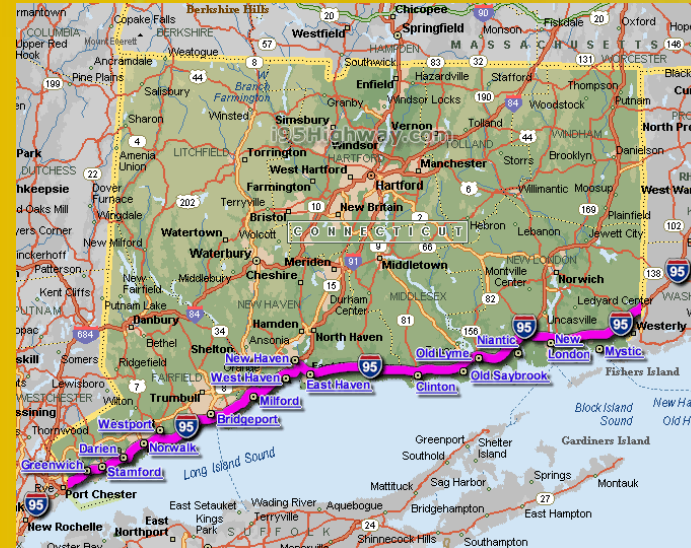
ANXIETY

DEPRESSION

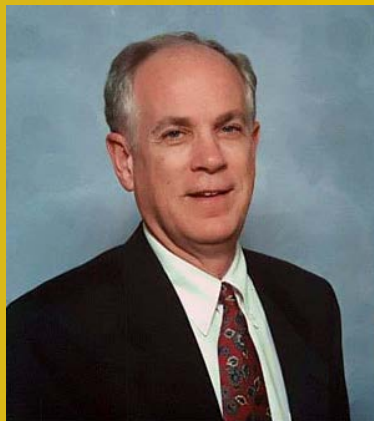
ARTHRITIC SYMPTOMS



**1975
LYME, CONNECTICUT.
POLLY MURRAY**



YALE NEW HAVEN STARTED A MEDICAL INVESTIGATION



ALLEN C. STEERE
PROFESSOR OF RHEUMATOLOGY
AT HARVARD UNIVERSITY AND
PREVIOUSLY AT YALE UNIVERSITY



STEERE IS CREDITED WITH DISCOVERING AND NAMING LYME DISEASE, AND HE PUBLISHED ALMOST 200 SCHOLARLY ARTICLES ON LYME DISEASE BETWEEN 1977 AND 2007.

FIRST PUBLISHED ABOUT NEUROLOGICAL AND CARDIAC SYMPTOMS INVOLVED IN HIS EARLY STUDIES OF LYME DISEASE IN 1977.

FIRST PUBLISHED WORK ABOUT CHRONIC MANIFESTATIONS OF THE DISEASE IN 1979.

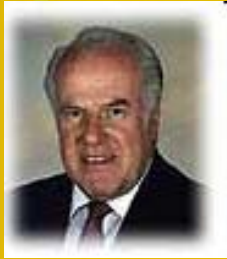




THE SYNDROME FIRST FOUND IN AND AROUND LYME AND OLD LYME, CONNECTICUT CAME TO BE CALLED "LYME ARTHRITIS" AND LATER "LYME DISEASE"

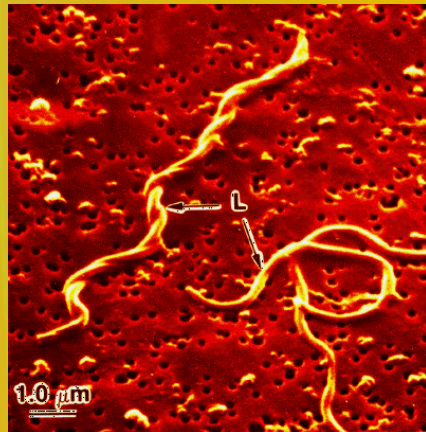


1982



DR. WILLY BURGENDORFER

**THE ETIOLOGICAL AGENT OF THE DISEASE,
BORRELIA BURGENDORFERI, IS DISCOVERED**



**SPIROCHETE *BORRELIA BURGENDORFERI*,
CAUSATIVE AGENT OF LYME DISEASE.
WHILE ONLY 0.2-0.3 MICROMETERS
WIDE, THE CELL LENGTH MAY EXCEED 15
TO 20 MICROMETERS.**

SEM IMAGE



1983

TREATMENT OF LYME DISEASE

ORAL AND INTRAVENOUS ANTIBIOTICS BEGINS AND CLINICIANS DEFINE THE THREE STAGES OF LYME DISEASE.

- **STAGE 1: EARLY LOCALIZED INFECTION
(1 TO 4 WEEKS)**
- **STAGE 2: EARLY DISSEMINATED INFECTION
(1 TO 4 MONTHS)**
- **STAGE 3: LATE PERSISTENT INFECTIONS**



1988

LYME DISEASE FOUNDATION (LDF) FOUNDED.

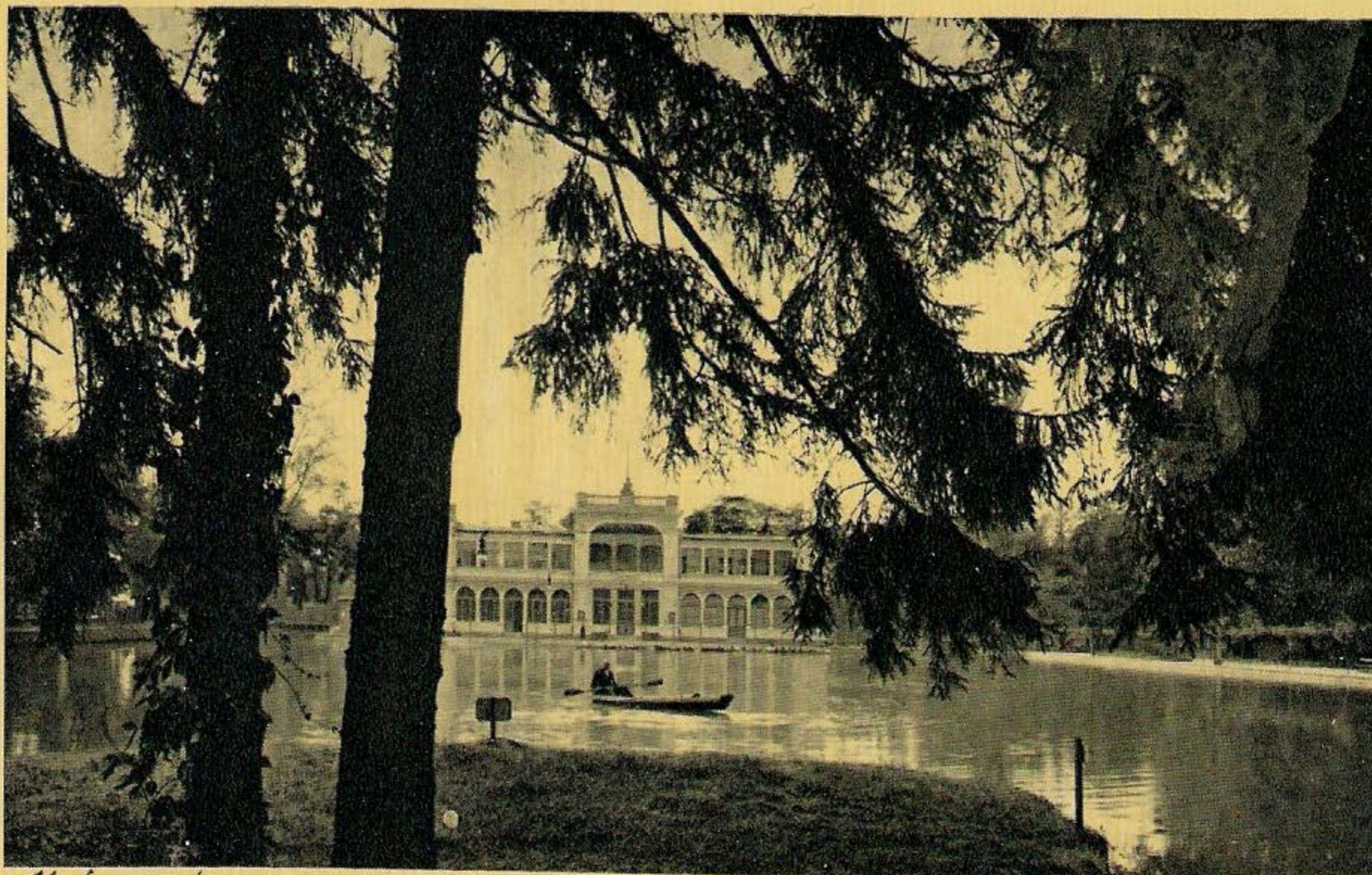
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Kolaxsvár

Pétatéri részlet a csónakázás

SRO Sinaia 2011