AN ATYPICAL ATHYRIUM FROM EASTERN TENNESSEE. — A recent botanical exploration of the Doe River gorge in Carter County, Tennessee has led to the discovery on 8 August 1979 of an unusual growth form of *Athyrium asplenioides* (Michx). A. A. Eaton. A single population consisting of several frond-bearing rhizomes occurs along a moist, northeast-facing rock face at Pardee Point, adjacent to the abandoned roadbed of the East Tennessee & Western North Carolina Railroad, 1.5 miles southeast of Hampton (*Wofford, Smith & Collins* 79-222, TENN, US). The identity of the specimen was confirmed by A. M. Evans.

These plants resemble vigorously growing parsley and have crispate, fasciated pinnae crowded toward the lamina apex (Fig. 1). Although this is a dramatic departure from the usual frond morphology of Athyrium, the fragile, pale brown scales of the stipe base, the sparsely glandular indusia, and the paired vascular strands uniting above the stipe base into a U-shaped midvein are distinguishing characters of the genus. Sori are infrequent, are borne intramarginally, and have typical hammate-asplenioid indusia attached near the lateral vein. Examination of the sori reveals aborted sporangia and a complete absence of spores. The apparent adaptation to the rock face, atypical growth form, incomplete sporogenesis, and



FIG. 1. Specimens of Athyrium asplenioides mutant from Carter Co., Tennessee (Wofford, Smith & Collins 79-222).

the fact that typical A. asplenioides occurs in more mesic sites along the base of the same rock face favors the interpretation that these plants are morphological mutants, rather than of hybrid origin.

In addition to this unusual Athyrium, Sanguisorba canadensis, Scirpus cespitosus, Paronychia argyrocoma, and Drosera rotundifolia occur at the same locality. Except for D. rotundifolia, these species are of restricted occurrence in Tennessee and are included in the list of rare vascular plants of Tennessee (Committee for Tennessee Rare Plants. 1978. J. Tenn. Acad. Sci. 53(4):128–133).— David K. Smith and B. Eugene Wofford, Department of Botany, University of Tennessee, Knoxville, TN 37916, and J. L. Collins, Division of Forestry, Fisheries and Wildlife Development, TVA, Norris, TN 37828.

Contributions from the Botanical Laboratory, University of Tennessee, n. s. No. 520.

(Required by 3	9 U.S.C. 3685)	AND CIRCL	JLATION
1. TITLE OF PUBLICATION	A. PUBI	ICATION NO.	2. DATE OF FILING
AMERICAN FERN JOURNAL	A. NO. OF I	SUES PUBLIS	October 1, 1979
Quarterly	Annual State and State	4	\$8.00 mem; \$9.00 s
U. S. Nat'l. Herbarium, 10th & Constitution	Aves. NW. W	ashington	. DC 20560
LOCATION OF THE HEADQUARTERS OR GENERAL BUSINESS O	FFICES OF THE PU	BLISHERS (Ne	ot printera)
L. NAMES AND COMPLETE ADDRESSES OF PU	BLISHER, EDITOR	AND MANAG	ING EDITOR
UBLISHER (Name and Address)			
EDITOR (Name and Address)	stitution, W	ashington	, DC 20560
Dr. David B. Lellinger, Smithsonian Institu MANAGING EDITOR (Name and Address)	tion, Washin	gton, DC	20560
None	A State of the	35362.00	
OWNER (If owned by a corporation, its name and address must be its holders owning or holding I percent or more of total amount of stock, owners must be given. If owned by a partnership or other unincorporal giving, If the publication is published by a nonprofit organization, its n	ted and also immedia If not owned by a co ted firm, its name and ame and address mus	tely thereunder proration, the i address, as we it be stated.j	the names and addresses of stock- names and addresses of the individua Il as that of each individual must be
NAME		AD	DRESS
MILATONN FERN SUCIEIT, INC.	Smithsonian	Institut	ion, Washington, DC
			20360
KNOWN BONDHOLDERS, MORTGAGEES, AND OTHER SECURI	TY HOLDERS OWN		ING 1 REPORT OF HORE OF
TOTAL AMOUNT OF BONDS, MORTGAGES OF	OTHER SECURITI	ES (If there are	none, so state)
NAME		ADI	DRESS
		and the second	
The purpose, function, and nonprofit status of this organization and the	exempt status for Fr	ged, publisher	(Section 132.122, FSM) ax purposes (Check one) must submit explanation of change
The purpose, function, and nonprofit status of this organization and the X HAVE NOT CHANGED DURING HAVE CHANGED DUR PRECEDING 12 MONTHS PRECEDING 12 MONTH B. EXTENT AND NATURE OF CIRCULATION	exempt status for Filling (If chan s with th AVERAGE NO. C ISSUE DURING I	ged, publisher is statement.) OPIES EACH PRECEDING	(Dection 132,122,PSM) an purposes (Check one) must submit explanation of change ACTUAL NO. COPIES OF SINGL ISSUE PUBLISHED NEAREST T
The purpose, function, and nonprofit status of this organization and the X HAVE NOT CHANGED DURING HAVE CHANGED DUR PRECEDING 12 MONTHS PRECEDING 12 MONTH C. EXTENT AND NATURE OF CIRCULATION . TOTAL NO. COPIES PRINTED (Net Press Run)	exempt status for Films (If chan ts with th AVERAGE NO. C ISSUE DURING 12 MON	ect, publisher statement.) OPIES EACH PRECEDING THS	(Section 132.122, PSM) as Purposes (Check one) must submit explanation of change ACTUAL NO. COPIES OF SINGL ISSUE PUBLISHED NEAREST FILING DATE
The purpose, function, and nonprofit status of this organization and the X HAVE NOT CHANGED DURING HAVE CHANGED DUR PRECEDING 12 MONTHS PRECEDING 12 MONTH 6. EXTENT AND NATURE OF CIRCULATION 4. TOTAL NO. COPIES PRINTED (Net Press Run) FAID CIRCULATION 1. SALES THROUGH CALLES AND CARDED AND CARDED AND CARDED AND CALLES AND CARDED AND CALLES AND CARDED AND CALLES AND CARDED AND CARDED AND CARDED AND CALLES AND CARDED AND CARDE	exempt status for File ING (If chan with th AVERAGE NO. C ISSUE DURING 12 MON 1725	steral income to sed, publisher i a statement.) OPIES EACH PRECEDING THS	(accion 132 122, PSM) as purposes (Check one) must submit explanation of change ACTUAL NO. COPIES OF SINGL ISSUE PUBLISHED NEAREST FILING DATE 1500
The purpose, function, and nonprofit status of this organization and the The purpose, function, and nonprofit status of this organization and the PRECEDING 12 MONTHS PRECEDING 12 MONTH 6. EXTENT AND NATURE OF CIRCULATION 1. TOTAL NO. COPIES PRINTED (Net Press Run) 1. TALES THROUGH OFALERS AND CARRIERS, STREET VENDORS AND COUNTER SALES	exempt status for Fi ING (If chan states with the AVERAGE NO. 12 MON 1725 0	ectrac hares deral income t a statement.) OPIES EACH PRECEDING THS	(accion 132 122, PSM) as purposes (Check one) must submit explanation of change actual No. COPIES OF SINGL ISSUE PUBLISHED NEAREST FILING DATE 1500
The purpose, function, and nonprofit status of this organization and the The purpose, function, and nonprofit status of this organization and the PRECEDING 12 MONTHS PRECEDING 12 MONTH 0. EXTENT AND NATURE OF CIRCULATION 1. TOTAL NO. COPIES PRINTED (Net Press Run) 1. TOTAL NO. COPIES PRINTED (Net Press Run) 1. TALE STRANDORD CALERS AND CARRIERS, STREET VENDORS AND COUNTER SALES 2. MAIL SUBSCRIPTIONS	exempt status for F. ING (If chum s (If chum with th AVERAGE NO. C ISSUE GURING 12 MON 1725 0 1372	ged, publisher is statement.) OPIES EACH THE THE	(accion 132.122, PSM) as purposes (Check one) must submit explanation of change ACTUAL NO. COPIES OF SINGL ISSUE PUBLISHED NE AREST T PILING DATE 1500 0 1123
The purpose, function, and nonprofit status of this organization and the The purpose, function, and nonprofit status of this organization and the PRECEDING 12 MONTHS PRECEDING 12 MONTH 0. EXTENT AND NATURE OF CIACULATION 1. TOTAL NO. COPIES PRINTED (Net Press Run) 1. SALES THROUGH OCALERS AND CARRIERS, STREET VENDORS AND COUNTER SALES 2. MAIL SUBSCRIPTIONS . TOTAL PAID CIRCULATION (Sum of 1631 and 1083)	Reampt status for F (If chain (deral income t ged, publisher i a statement.) OPTES EACEDING THS	(Bection 132 122, PSM) as purposes (Check one) must submit explanation of change ACTUAL NO. COPIES OF SINGL ISSUE PUBLISHED NE AREST T PILING DATE 1500 0 1123
The purpose, function, and nonprofils status of this organization and the The purpose, function, and nonprofils status of this organization and the PRECEDING 12 MONTHS PRECEDING 12 MONTH 6. EXTENT AND NATURE OF CIACULATION 6. EXTENT AND NATURE OF CIACULATION 6. TOTAL NO. COPIES PRINTED (Net Press Run) 6. TOTAL NO. COPIES PRINTED (Net Press Run) 6. TOTAL PAID CIRCULATION 7. MAIL SUBSCRIPTIONS 7. TOTAL PAID CIRCULATION (Sum of 1631 and 1083) 7. FREE DISTRIBUTION BY MAIL, CARRIER ON OTHER MEANS 7. SAMPLEE COMPLIANT SY MAIL, CARRIER ON OTHER MEANS	exempt Hatus for Fr HS (If shares HS (If shares) AVERAGE NO. C 155UE DURING 155UE DURING 155UE DURING 155UE DURING 155UE DURING 155UE DURING 1372 1372	and publisher and publisher an	(accion 132 122, PSM) as purposes (Check one) must submit explanation of change actual No. COPIES OF SINGL ISSUE PUBLISHE DN EAREST PILING DATE 1500 0 1123 1123
The purpose, function, and nonprofils status of this organization and the The purpose, function, and nonprofils status of this organization and the PRECEDING 12 MONTHS PRECEDING 12 MONTH 0. EXTENT AND NATURE OF CIRCULATION 1. TOTAL NO. COPIES PRINTED (Net Press Run) 1. TOTAL NO. COPIES PRINTED (Net Press Run) 1. TOTAL NO. COPIES PRINTED (Net Press Run) 1. TALE STRIBUTION CALERS AND CARRIERS, STREET VENDORS AND COUNTER SALES 2. MAIL SUBSCRIPTIONS 1. TOTAL PAID CIRCULATION (Sum of 1631 and 1083) 1. TREE DISTRIBUTION BY MAIL, CARRIER OR OTHER MEANS TAMES, COMPLIMENTARY, AND OTHER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 and 1083) 1. TREE DISTRIBUTION BY MAIL, CARRIER OR OTHER MEANS TAMES, COMPLIMENTARY, AND OTHER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 and 1083) 1. TREE DISTRIBUTION BY MAIL, CARRIER OR OTHER MEANS TAMES, COMPLIMENTARY, AND OTHER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 AND TOTHER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 AND TOTHER PREE COPIES 1. TOTAL PAID CIRCULATION SUM MAIL, CARRIER OR OTHER MEANS TAMES COMPLIMENTARY, AND OTHER PREE COPIES 1. TOTAL PAID CIRCULATION SUM MAIL CARRIER OR OTHER MEANS TAMES COMPLIMENTARY, AND OTHER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 AND THER PREE COPIES 1. TOTAL PAID CIRCULATION SUM MAIL CARRIER OR OTHER MEANS TAMES COMPLIMENTARY (SUM OF 1631 AND THER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 AND THER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 AND THER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 AND THER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 AND THER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 AND THER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 AND THER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 AND THER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 AND THER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 AND THER PREE COPIES 1. TOTAL PAID CIRCULATION (SUM OF 1631 AND TH	exempt tistus for Fr the diff observations of the formation of the format	echaral income t ged, publisher a statement, i a statement PRECEDING THS	(accion 132 122, PSM) as purposes (Check one) must submit explanation of change actual No. COPIES OF SINGL ISSUE PUBLISHED NEAREST PILING DATE 1500 0 1123 1123 16
The purpose, function, and nonprofils status of this organization and the X HAVE NOT CHANGED DURING HAVE CHANGED DUR PRECEDING 12 MONTHS PRECEDING 12 MONTHS C. EXTENT AND NATURE OF CIRCULATION C. TOTAL NO. COPIES PRINTED (Net Press Run) C. TOTAL NO. COPIES PRINTED (Net Press Run) C. TOTAL PAID CIRCULATION C. MAIL SUBSCRIPTIONS C. TOTAL PAID CIRCULATION (Sum of 1631 and 1083) PREC DISTRIBUTION BY MAIL. CARRIER ON OTHER MEANS SAMPLES, COMPLIMENTARY, AND OTHER PREC COPIES TOTAL DISTRIBUTION (Sum of C and D)	tesempt tistus for F inf G	ec.n. Antes ged, publisher afstement.) MRCEDING THS	(accion 132 122, PSM) as purposes (Check one) must submit explanation of change actual no corriso or singu issue rule.inset on earness t rissue rule.inset on earness t rissue rule.inset on earness 1500 0 1123 1123 16 1130
The purpose, function, and nonprofils status of this organization and the The purpose, function, and nonprofils status of this organization and the PRECEDING 12 MONTHS PRECEDING 12 MONTHS 0. EXTENT AND NATURE OF CIRCULATION 1. TOTAL NO. COPIES PRINTED (Net Press Run) 1. SALES THROUGH DEALERS AND CARRIERS, STREET VENDORS AND COUNTER SALES 2. MAIL SUBSCRIPTIONS 2. MAIL SUBSCRIPTIONS 3. TOTAL PAID CIRCULATION (Sum of 1631 and 1083) 4. FOR OISTRIBUTION SY MAIL, CARRIER OR OTHER MEANS SAMPLES, COMPLIMENTARY, AND OTHER PREE COPIES TOTAL DISTRIBUTION (Sum of C and D) 5. COPIES NOT DISTRIBUTED 1. OFFICE USE, LEFT OVER, UNACCOUNTED, SPOILED AFTER PRINTING	Exempt Hatus for F If char If	edulational lecome and a second	(aceton 132 122, PSM) as purposes (Check one) must submit explanation of change ACTUAL NO. COPIES OF SINGI ISSUE PUBLISHED NA AREST T PILING DATE 1500 0 1123 1123 16 1139 201
The purpose, function, and nonprofile status of this organization and the The purpose, function, and nonprofile status of this organization and the PRECEDING ID MONTHS PRECEDING ID MONTHS A TABLE NO. COPIES PRINTED (Net Press Run) A PAID CIRCULATION A TAIL SUBSCRIPTIONS TOTAL PAID CIRCULATION (Sum of IG31 and 1083) PRECEDISTRIBUTION BY MAIL CARRIER OR OTHER MEANS SAMELES. COPIES TOTAL DISTRIBUTION (Sum of C and D) COOPIES NOT DISTRIBUTION (SUM OF C AND DISTRIBUTION (SUM OF C AND D) COOPIES NOT DISTRIBUTION (SUM OF C AND D)	testempt Hatus for F HNG HS	entry interesting and the second seco	(aceton 132 122, PSM) as purposes (Check one) must submit explanation of change ACTUAL NO. COPIES OF SING ISSUE FUBLISHED NA AREST FILING DATE 1500 0 1123 1123 16 1139 361
The purpose, function, and nonprofils status of this organization and the PRECEDING ID MONTHS AVE CHANGED DURING PRECEDING ID MONTHS EXTENT AND NATURE OF CIRCULATION EXTENT AND NATURE OF CIRCULATION A TOTAL NO. COPIES PRINTED (Net Press Run) A TAID CIRCULATION A TAID CIRCULATION A TAIL SUBSCRIPTIONS TOTAL PAID CIRCULATION (Sum of 1631 and 1083) FREE DISTRIBUTION BY MAIL CARRIER OR OTHER MEANS SAMPLES, COMPLIAENTARY, AND OTHER PRECEDIES TOTAL DISTRIBUTION (Sum of C and D) COPIES NOT DISTRIBUTED AMPLE SUBSCRIPTION R MAIL COMPLEX PRAYA, AND CARRIER OR SOILED AMPLE SUBSCRIPTION R MAIL SUBSCRIPTION (Sum of C and D) COPIES NOT DISTRIBUTED AMPLE SUBSCRIPTION R MAIL SUBSCRIPTION R MAIL OF CIRCULATION (Sum of C and D) COPIES NOT DISTRIBUTED AMPLE SUBSCRIPTION R MAIL SUBSCRIPTION R MAIL SUBSCRIPTION SUMAL CARRIER OR SOILED AMPLE AND THE SALES TOTAL OS THIS AND CARTS AMPLES AMPLE	testing tistus for F ing (If char with th (If char with th (If char vista for (If char (If char vista for (If char	economic and a second s	(accion 132 122, PSM) as purposes (Check one) must submit explanation of change actual no corress of singl issue rule.inset on a range 1500 0 1123 1123 16 1139 361 0
The purpose, function, and nonprofile status of this organization and the PRECEDING ID MONTHS AVVE CHANGED DURING PRECEDING ID MONTHS EXTENT AND NATURE OF CIRCULATION EXTENT AND NATURE OF CIRCULATION A TOTAL NO. COPIES PRINTED (Net Press Run) A PAID CIRCULATION A TAID CIRCULATION A TAID CIRCULATION (Sum of IG31 and 1083) FREE DISTRIBUTION BY MAIL CARRIER OR OTHER MEANS SAMPLES, COMPLIANCERTARY, AND OTHER PREE COPIES TOTAL DISTRIBUTION BY MAIL CARRIER OR OTHER MEANS SAMPLES, COMPLIANCERTARY, AND OTHER PREE COPIES TOTAL DISTRIBUTION (Sum of C and D) COMES NOT DISTRIBUTED APTER PRINTING R AJ S RETURNS FROM NEWS AGENTS TOTAL (Sum of E, 1 and 2-should equal net press run shown (A J) S COMPLE		prd. publisher in storement : in storement : OPFES EACH THS Internet Storement : OPFES EACH THS Internet : OPFES EACH TH	(Dection 132 122, PSM) as purposes (Check one) must submit explanation of change ACTUAL NO. COPIES OF SING ISSUE PUBLISHED NA ARREST PILING DATE 1500 0 1123 1123 16 1139 361 0 UNLINER, BUSINESS
The purpose, function, and nonprofils status of this organization and the PRECEDING ID MONTHS AVE NOT CHANGED DURING PRECEDING ID MONTHS EXTENT AND NATURE OF CIRCULATION A TOTAL NO. COPIES PRINTED (Net Press Run) A TAID CIRCULATION A TAID CIRCULATION A TAID CIRCULATION (Sum of IG31 and 1083) FREE DISTRIBUTION BY MAIL. CARRIER OR OTHER MEANS SAMPLES. COMPLIAENTARY, AND OTHER PRECEDIES TOTAL DISTRIBUTION (Sum of C and D) COPIES NOT DISTRIBUTED AMELS COMPLIAENTARY, AND CARRIER PRECEDIES TOTAL DISTRIBUTION (Sum of C and D) COPIES NOT DISTRIBUTED AMELS RETURNS FROM NEWS AGENTS TOTAL (Sum of E, 1] and 2-should equal net press run shown (A,) I Corriging that the statements made by me above are correct and complete.		pred publisher in statement; offices and offices and o	(accion 132 122, PSM) as purposes (Check one) must submit explanation of change ACTUAL NO. COPIES OF SING ISSUE PUBLISHED NA AREST PILING DATE 1500 0 1123 1123 16 1139 361 0 UBLIDHER, BUSINESS Z.M
The purpose, function, and nonprofils status of this organization and the The purpose, function, and nonprofils status of this organization and the PRECEDING IS MONTHS AVE NOT CHANGED DURING A TOTAL NO. COPIES PRINTEO (Net Press Run) A TOTAL PAID CIRCULATION A TOTAL PAID CIRCULATION (Sum of IG31 and 1083) A TOTAL DISTRIBUTION BY MAIL CARRIER OR OTHER MEANS SAMPLES COMPLICENTRAY, AND OTHER PRES COPIES TOTAL DISTRIBUTION (Sum of C and D) C COPIES NOT DISTRIBUTED A TER PRINTMO R RUN OF C STATISUTED A TER PRINTMO R RUN OF C STATISUTION A TER PRINTMO C ADDITION STATISUTED A TER PRINTMO C ADDITION OF A DISTRIBUTED A TER PRINTMO C ADDITION STATISUTED A TER PRINTMO A TER PRINTMO A DI A TER PRINTMO		Dr/Eorron. r	(accion 132 122, PSM) as purposes (Check one) must submit explanation of change actual no. cories or singl issue rule.issel on a langest 1500 0 1123 1123 16 1139 361 0 UNLIDNER, BUSINESS 0 UNLIDNER, BUSINESS 0 0 UNLIDNER, BUSINESS 0 0 0 0 0 0 0 0 0 0 0 0 0
The purpose, function, and nonprofils status of this organization and the The purpose, function, and nonprofils status of this organization and the PRECEDING ID MONTHS AVE NOT CHANGED DURING ARE TOTAL NO. COPIES PRINTED (Net Press Run) A PARO CIRCULATION A TOTAL NO. COPIES PRINTED (Net Press Run) A PARO CIRCULATION A TOTAL NO. COPIES PRINTED (Net Press Run) A PARO CIRCULATION A TOTAL PARO COUNTER SALES A MAIL SUBSCHIPTIONS A TOTAL PARO CIRCULATION (Sum of 1631 and 1083) A PREC DISTRIBUTION BY MAIL CARRIER ON OTHER MEANS SAMPLES. COMPLIMENTARY, AND OTHER PREC COPIES TOTAL DISTRIBUTION SUM Of C and D) COPIES NOT DISTRIBUTED ATTER PROM NEWS AGENTS A TOTAL (Sum of E, F1 and 2-should equal net press run shown In A) I Certify that the statements made by me above are correct and complete. LFOR COMPLETION BY MAIL ING AT THE REQUEST 39 U. S. C. 3626 provides in periode that. "No person who would hall mail such meats: "	exempt status for F inc inf char in in in in inf char in in in	pred, publisher statement.) pred, publisher statement.) press Acch Miccolina press press statement.) press statement	(accion 132 122, PSM) as purposes (Check one) must submit explanation of change actual no coprise or singu- issue Puelsinet D na Arest T Pieling DATE 1500 0 1123 1123 16 1139 361 0 1500 vertices success 1500 vertices action added to setter territer Manuali
The purpose, function, and nonprofils status of this organization and the The purpose, function, and nonprofils status of this organization and the PRECEDING ID MONTHS AVE NOT CHANGED DURING ARE TOTAL NO. COPIES PRINTED (Net Press Run) A TOTAL PAID CIRCULATION A TOTAL PAID CIRCULATION (Sum of IG31 and IO83) A TOTAL DISTRIBUTION BY MAIL CARRIER OR OTHER MEANS RAMPLES COMPLIMENTARY, AND OTHER PRES COPIES TOTAL DISTRIBUTION (Sum of C and D) COPIES NOT DISTRIBUTION (SUM OF C AND DY RUE (S DOTAL) APTER CORTECT AND COUNTED AS THE RECOVER (S DOTAL) D SO COPIES NOT DISTRIBUTION (SUM OF C AND DY RUE (S DOTAL) D SO COPIES D SO COPIES OF ON SUM AS AGENTS D SO COMPLETION BY PUBLISHERS MAILING AT THE RECOLLAN D U SO COMPLETION BY PUBLISHERS MAILING AT THE RECOLLAN D U SO CONSTRUCTION SY PUBLISHERS MAILING AT THE RECOLLAN D US SO COMPLEX SUMDING SO YOURD YOURD PARTING AND	exempt status for Fr HSG (If char HSG (If char HSG) (If char AVERAGE NO. C ISSUE DUR 12 HON 1725 0 1372 1372 1372 16 1388 337 0 1725 TURE AND TITLE GER. OR OWNER (I A LEI III RATES (Section 13) RATES (Section 13) RATES (Section 13) HE ATES (DrifeDirge.p. 2.121. 2.121. DrifeDirge.p.	(accion 132 122, PSM) as purposes (Check one) must submit explanation of change ACTUAL NO. COPIES OF SINGL ISSUE FUELINEE DN A REST PILING DATE 1500 0 1123 1123 16 1139 361 0 1500 0 1500 0 1139 361 0 1500 0 1500 0 1500 0 1123 16 1500 0 1500 0 1123 16 1500 0 1500 0 1123 16 1500 0 1500 0 1500 0 1123 16 1500 0 1500 0 1500 0 1123 16 1500 0 1500 0 1500 0 1500 0 1500 0 1123 16 1500 0 1500 0 1500 0 1123 16 1500 0 1500 0 1500 0 1123 16 1500 0 1500
The purpose, function, and nonprofils status of this organization and the The purpose, function, and nonprofils status of this organization and the PRECEDING ID MONTHS AND NATURE OF CIRCULATION A TOTAL NO. COPIES PRINTEO (Net Press Run) A TOTAL SUBSCHIPTIONS A TOTAL SUBSCHIPTIONS A TOTAL DISTRIBUTION SY MAIL CARRIER OR OTHER PRESE COPIES TOTAL DISTRIBUTION SY MAIL CARRIER OR OTHER PRESE COPIES TOTAL DISTRIBUTION SY MAIL CARRIER OR OTHER PRESE COPIES TOTAL OSTRIBUTION SY MAIL CARRIER OR OTHER PRESE COPIES TOTAL OSTRIBUTION SY MAIL CARRIER OR OTHER PRESE COPIES TOTAL OSTRIBUTION SY MAIL CARRIER OR OTHER PRESE COPIES TOTAL OSTRIBUTION SY MAIL CARRIER OR OTHER PRESE COPIES TOTAL OSTRIBUTION SY MAIL CARRIER OR OTHER PRESE COPIES TOTAL OSTRIBUTION SY MAIL CARRIER OR OTHER PRESE COPIES TOTAL OSTRIBUTION SY MAIL CARRIER OR OTHER PRESE COPIES TOTAL OSTRIBUTION SY MAIL CARRIER OR OTHER PRESE COPIES TOTAL OSTRIBUTION SY MAIL CARRIER OR OTHER PRESE COPIES TOTAL OSTRIBUTION SY MAIL CARRIER OR OTHER PRESE COPIES TOTAL GUM OF STRIBUTED A TER PROM NEWS ADENTS TOTAL GUM OF STRIBUTED TOTAL STRIBUTION SY PUBLISHERS MAILING AT THE RECOLLAR DATES THEN THE OF PROVIDED IN THE PRESE ON NO WOULD A TER PRESE ON THE PRE		orfcorron. P 2. 123, Postal Services 2. 123, Postal Services the Postal Services utilization name	(aceton 132 122, PSM) as purposes (Check one) must submit explanation of change actual submit explanation of change actuals for a submit explanation of change actuals of the submit explanation of change actuals of the submit explanation of the submit explanation of lister function of the submit explanation and in item 1 at the phased postage



Smith, David K , Wofford, B. Eugene, and Collins, Joseph L. 1980. "An Atypical Athyrium from Eastern Tennessee." *American fern journal* 70, 31–32. <u>https://doi.org/10.2307/1546211</u>.

View This Item Online: https://doi.org/10.2307/1546211 Permalink: https://www.biodiversitylibrary.org/partpdf/230434

Holding Institution Missouri Botanical Garden, Peter H. Raven Library

Sponsored by Missouri Botanical Garden

Copyright & Reuse Copyright Status: In copyright. Digitized with the permission of the rights holder. Rights Holder: American Fern Society License: <u>http://creativecommons.org/licenses/by-nc-sa/3.0/</u> Rights: <u>https://biodiversitylibrary.org/permissions</u>

This document was created from content at the **Biodiversity Heritage Library**, the world's largest open access digital library for biodiversity literature and archives. Visit BHL at https://www.biodiversitylibrary.org.