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NEOSE TECHNOLOGIES INC  
Form SC 13G/A  
February 14, 2001

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

Schedule 13G/A  
(Amendment No. 4)

Under the Securities Exchange Act of 1934

Neose Technologies, Inc  
-----

Common Stock, \$.01 par value per share  
(Title of Class of Securities)  
-----

February 10, 2001  
-----

(CUSIP Number: 640522108)  
-----

December 31, 2000  
-----

Date of event which requires filing

Check the appropriate box to designate the rule pursuant to which the schedule is filed:

Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be filled for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act, but shall be subject to all other provisions of the Act (however, see the Notes to Schedule 13G).

1

CUSIP No. 640522108

13G

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-----  
1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
  
Paramount Capital Asset Management, Inc.  
-----

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a)

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(b) |\_ |

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5 SOLE VOTING POWER

0

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

6 SHARED VOTING POWER

562,769

7 SOLE DISPOSITIVE POWER

0

8 SHARED DISPOSITIVE POWER

562,769

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

562,769

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

|\_ |

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

4.0%

12 TYPE OF REPORTING PERSON\*

CO

\*SEE INSTRUCTIONS BEFORE FILLING OUT

2

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1 NAME OF REPORTING PERSON

S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Aries Domestic Fund, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a) |\_ |

(b) |\_ |

3 SEC USE ONLY

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4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5 SOLE VOTING POWER

None

NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH

6 SHARED VOTING POWER

167,133

7 SOLE DISPOSITIVE POWER

None

8 SHARED DISPOSITIVE POWER

167,133

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

167,133

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

1.2%

12 TYPE OF REPORTING PERSON\*

PN

\*SEE INSTRUCTIONS BEFORE FILLING OUT

3

CUSIP No. 640522108

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1 NAME OF REPORTING PERSON

S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

The Aries Domestic Fund II, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

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Delaware

-----  
5      SOLE VOTING POWER  
  
         None  
-----  
NUMBER OF      6      SHARED VOTING POWER  
SHARES  
BENEFICIALLY      37,942  
OWNED BY  
EACH      7      SOLE DISPOSITIVE POWER  
REPORTING      None  
PERSON  
WITH      8      SHARED DISPOSITIVE POWER  
  
         37,942  
-----

9      AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

37,942

10      CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

11      PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

0.3%

12      TYPE OF REPORTING PERSON\*

PN

-----  
\*SEE INSTRUCTIONS BEFORE FILLING OUT

4

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1      NAME OF REPORTING PERSON  
         S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

The Aries Master Fund II

2      CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

(a)

(b)

3      SEC USE ONLY

4      CITIZENSHIP OR PLACE OF ORGANIZATION

Cayman Islands

5      SOLE VOTING POWER

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None  
-----  
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH  
6 SHARED VOTING POWER  
357,694  
-----  
7 SOLE DISPOSITIVE POWER  
None  
-----  
8 SHARED DISPOSITIVE POWER  
357,694  
-----

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
357,694  
-----

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)  
2.6%  
-----

12 TYPE OF REPORTING PERSON\*  
OO (see Item 2)  
-----

\*SEE INSTRUCTIONS BEFORE FILLING OUT

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-----

1 NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
Lindsay A. Rosenwald, M.D.  
-----

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*  
(a)   
(b)   
-----

3 SEC USE ONLY  
-----

4 CITIZENSHIP OR PLACE OF ORGANIZATION  
United States  
-----

5 SOLE VOTING POWER  
488,479  
-----  
6 SHARED VOTING POWER  
NUMBER OF SHARES

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BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	562,769
-----	
7 SOLE DISPOSITIVE POWER	
488,479	
-----	
8 SHARED DISPOSITIVE POWER	
562,769	

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,051,248

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

7.5%

12 TYPE OF REPORTING PERSON\*

IN

\*SEE INSTRUCTIONS BEFORE FILLING OUT

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ITEM 1(a). NAME OF ISSUER:

Neose Technologies, Inc.

ITEM 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

102 Whitmen Road  
Horsham PA 19044

ITEM 2(a) NAME OF PERSON FILING:

This statement is filed on behalf of Paramount Capital Asset Management, Inc. ("Paramount Capital"), Aries Domestic Fund, L.P. ("Aries Domestic"), Aries Domestic Fund II, L.P. ("Aries II"), Aries Master Fund II, a Cayman Island exempted company ("Aries Fund") and Lindsay A. Rosenwald, M.D. ("Dr. Rosenwald" and collectively, "Reporting Parties"). See attached Exhibit A which is a copy of their agreement in writing to file this statement on behalf of each of them.

Dr. Rosenwald is an investment banker, venture capitalist, fund manager and sole stockholder of Paramount Capital,1 a Subchapter S corporation incorporated in Delaware. Paramount Capital is the General Partner to each of Aries Domestic,2 and Aries Domestic II, limited partnerships incorporated in Delaware. Paramount Capital is the Investment Manager to Aries Fund,3 a Cayman Islands exempted company.

Dr. Rosenwald, Paramount Capital, Aries Domestic, Aries II and Aries

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Fund and their respective officers, directors, general partners, investment managers, or trustees have not, during the five years prior to the date hereof, been convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors).

ITEM 2(b) ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:

Paramount Capital's, Aries Domestic's, Aries II's, and Dr. Rosenwald's business address is 787 Seventh Avenue, 48th Floor, New York, New York, 10019. The business address for The Aries Fund is c/o Fortis Fund Services Cayman Limited, Grand Pavilion Commercial Center, 802 West Bay Road, Grand Cayman, Cayman Islands.

ITEM 2(c). CITIZENSHIP:

Dr. Rosenwald is a citizen of the United States of America.

ITEM 2(d). TITLE OF CLASS OF SECURITIES:

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- (1) Please see attached Exhibit B indicating the executive officers and directors of Paramount Capital and providing information called for by Items 2-6 of this statement as to said officers and directors. Exhibit B is herein incorporated by reference.
- (2) Please see attached Exhibit C indicating the general partner to each of Aries Domestic and Aries II and the general partner's executive officers and directors and providing information called for by Items 2-6 of this statement as to said general partners, officers and directors. Exhibit C is herein incorporated by reference.
- (3) Please see attached Exhibit D indicating the investment manager of the Aries Fund and the investment manager's executive officers and directors and providing information called for by Items 2-6 of this statement as to said investment manager and officers and directors. Exhibit D is herein incorporated by reference.

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Common Stock, \$.01 par value per share.

ITEM 2(e). CUSIP NUMBER: 640522108

ITEM 3.  CHECK THIS BOX IF THIS STATEMENT IS FILED PURSUANT TO RULE 13d-1(c)

ITEM 4. OWNERSHIP

For information concerning the ownership of Common Stock of the Company by the Reporting Persons, see Items 5 through 9 and 11 of the cover pages to this schedule 13G and footnotes thereto.

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS

Not applicable

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON

Not applicable

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE

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SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY

Not Applicable

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

Not Applicable

ITEM 9. NOTICE OF DISSOLUTION OF GROUP

Not Applicable

ITEM 10. CERTIFICATION

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in a transaction having that purpose and effect.

Material to be Filed as Exhibits:

Exhibit A - Copy of an Agreement between Dr. Rosenwald, Paramount Capital, Aries Domestic, Aries II and Aries Fund to file this Statement on Schedule 13G on behalf of each of them.

Exhibit B - List of executive officers and directors of Paramount Capital and information called for by Items 2-6 of this statement relating to said officers and directors.

Exhibit C - List of executive officers and directors of Aries Domestic and Aries II and information called for by Items 2-6 of this statement relating to said officers and directors.

Exhibit D - List of executive officers and directors of Aries Fund and information called for by Items 2-6 of this statement relating to said officers and directors.

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SIGNATURES

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

PARAMOUNT CAPITAL ASSET MANAGEMENT, INC.

Dated: February 10, 2001  
New York, NY

By: /s/ Lindsay A. Rosenwald, M.D.

-----  
Name: Lindsay A. Rosenwald, M.D.  
Title: Chairman

ARIES DOMESTIC FUND, L.P.  
By Paramount Capital Asset Management,  
Inc.,  
General Partner

Dated: February 10, 2001

By: /s/ Lindsay A. Rosenwald, M.D.



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New York, NY

-----  
Name: Lindsay A. Rosenwald, M.D.  
Title: Chairman

ARIES DOMESTIC FUND, II L.P.  
By Paramount Capital Asset Management,  
Inc.,  
General Partner

Dated: February 10, 2001  
New York, NY

By: /s/ Lindsay A. Rosenwald, M.D.  
-----

Name: Lindsay A. Rosenwald, M.D.  
Title: Chairman

THE ARIES MASTER FUND II  
By Paramount Capital Asset Management,  
Inc.  
Investment Manager

Dated: February 10, 2001  
New York, NY

By: /s/ Lindsay A. Rosenwald, M.D.  
-----

Name: Lindsay A. Rosenwald, M.D.  
Title: Chairman

Dated: February 10, 2001  
New York, NY

By: /s/ Lindsay A. Rosenwald, M.D.  
-----

Name: Lindsay A. Rosenwald, M.D.

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EXHIBIT A

AGREEMENT

JOINT FILING OF SCHEDULE 13G

The undersigned hereby agrees to jointly prepare and file with regulatory authorities a Schedule 13G and any future amendments thereto reporting each of the undersigned's ownership of securities of Neose Technologies, Inc. and hereby affirm that such Schedule 13G is being filed on behalf of each of the undersigned.

PARAMOUNT CAPITAL ASSET MANAGEMENT, INC.

Dated: February 10, 2001  
New York, NY

By: /s/ Lindsay A. Rosenwald, M.D.  
-----

Name: Lindsay A. Rosenwald, M.D.  
Title: Chairman

ARIES DOMESTIC FUND, L.P.  
By Paramount Capital Asset Management,  
Inc.,  
General Partner

Dated: February 10, 2001  
New York, NY

By: /s/ Lindsay A. Rosenwald, M.D.  
-----

Name: Lindsay A. Rosenwald, M.D.

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Title: Chairman

ARIES DOMESTIC FUND, II L.P.  
By Paramount Capital Asset Management,  
Inc.,  
General Partner

Dated: February 10, 2001  
New York, NY

By: /s/ Lindsay A. Rosenwald, M.D.

-----  
Name: Lindsay A. Rosenwald, M.D.  
Title: Chairman

THE ARIES MASTER FUND II  
By Paramount Capital Asset Management,  
Inc.  
Investment Manager

Dated: February 10, 2001  
New York, NY

By: /s/ Lindsay A. Rosenwald, M.D.

-----  
Name: Lindsay A. Rosenwald, M.D.  
Title: Chairman

Dated: February 10, 2001  
New York, NY

By: /s/ Lindsay A. Rosenwald, M.D.

-----  
Name: Lindsay A. Rosenwald, M.D.

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EXHIBIT B

The name and principal occupation or employment, which in each instance is with Paramount Capital Asset Management, Inc. ("Paramount Capital") located at 787 Seventh Avenue, 48th Floor, New York, New York, 10019, of each executive officer and director of Paramount Capital is as follows:

NAME	PRINCIPAL OCCUPATION OR EMPLOYMENT
Lindsay A. Rosenwald, M.D.	Chairman of the Board and sole shareholder, Paramount Capital Asset Management, Inc., Paramount Capital Investments LLC and Paramount Capital, Inc.
Mark C. Rogers, M.D.	President of Paramount Capital Asset Management, Inc., Paramount Capital Investments, LLC, and Paramount Capital, Inc.
Peter Morgan Kash	Director of Paramount Capital Asset Management, Inc., Senior Managing Director, Paramount Capital, Inc.
Dr. Yuichi Iwaki	Director of Paramount Capital Asset Management, Inc., Professor, University of Southern California School of Medicine

Item 2.

During the five years prior to the date hereof, the above person (to the best of

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Paramount Capital's knowledge) has not been convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors). Additionally, during the five years prior to the date hereof, the above person (to the best of Paramount Capital's knowledge) has not been a party to a civil proceeding, of a judicial or administrative body of competent jurisdiction, as a result of which such person was or is subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, Federal or State securities laws or finding any violation with respect to such laws.

Items 3-6.

Please refer to Items 3-6 herein reporting the beneficial ownership.

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### EXHIBIT C

The name and principal occupation or employment of the General Partner of Aries Domestic and Aries II, which are located at 787 Seventh Avenue, 48th Floor, New York, New York, 10019, is as follows:

NAME	PRINCIPAL OCCUPATION OR EMPLOYMENT
Paramount Capital Asset Management, Inc	General Partner

Exhibit B is hereby incorporated by reference.

Item 2.

During the five years prior to the date hereof, the above person (to the best of Aries Domestic's and Aries II's knowledge) has not been convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors). Additionally, during the five years prior to the date hereof, the above person (to the best of Aries Domestic's and Aries II's knowledge) has not been a party to a civil proceeding, of a judicial or administrative body of competent jurisdiction, as a result of which such person was or is subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, Federal or State securities laws or finding any violation with respect to such laws.

Items 3-6.

Please refer to Items 3-6 herein reporting the beneficial ownership.

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### EXHIBIT D

The name and principal occupation or employment, which in the case of Paramount Capital Asset Management, Inc. is located at 787 Seventh Avenue, 48th Floor, New York, New York, 10019, of each executive officer and director of Aries Fund is as follows:

PRINCIPAL OCCUPATION OR EMPLOYMENT	NAME
Paramount Capital Asset Management, Inc.	Investment Manager
Fortis Fund Services Cayman Limited	Administrator

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Grand Pavilion Commercial Center  
802 West Bay Road  
Grand Cayman, Cayman Islands

Exhibit B is hereby incorporated by reference.

Item 2.

During the five years prior to the date hereof, the above person (to the best of Aries Fund's knowledge) has not been convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors). Additionally, during the five years prior to the date hereof, the above person (to the best of Aries Fund's knowledge) has not been a party to a civil proceeding, of a judicial or administrative body of competent jurisdiction, as a result of which such person was or is subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, Federal or State securities laws or finding any violation with respect to such laws.

Items 3-6.

Please refer to Items 3-6 herein reporting the beneficial ownership.