UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 12b-25

NOTIFICATION OF LATE FILING

Commission File Number: 1-12471 CUSIP Number 458124 10 8

| (CHECK ONE): [] Form 10-K, [] Form 20-F, [] Form 11-K, [X] Form 10-Q and Form 10-QSB [] Form N-SAR |
|--|
| For Period Ended: MARCH 31, 2001 |
| [] Transition Report on Form 10-K [] Transition Report on Form 20-F [] Transition Report on Form 11-K [] Transition Report on Form 10-Q [] Transition Report on Form N-SAR For the Transition Period Ended: |
| NOTHING IN THIS FORM SHALL BE CONSTRUED TO IMPLY THAT THE COMMISSION HAS VERIFIED ANY INFORMATION CONTAINED HEREIN. |
| If the notification relates to a portion of the filing checked above, identify the Item(s) to which the notification relates: |

PART I - REGISTRANT INFORMATION

Integrated Surgical Systems, Inc.Full Name of Registrant

NA Former Name if Applicable

1850 Research Park Drive

Address of Principal Executive Office (Street and Number)

Davis, California 95616-4884

City, State and Zip Code

PART II -- RULES 12b-25 (b) AND (c)

If the subject report could not be filed without unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), the following should be completed. (Check box if appropriate)

| [X] | (a) | The reasons described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense; |
|--------------|-----|--|
| [] | (b) | The subject annual report, semi-annual report, transition report on Form 10-K, 10-KSB, 20-F, 11-K or N-SAR, or portion thereof, will be filed no later than the fifteenth calendar day following the prescribed due date; or the subject quarterly report or transition report on Form 10-Q or 10-QSB, or portion thereof will be filed on or before the fifth calendar day following the prescribed due date; and |
| [] | (c) | The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable. |

PART III -- NARRATIVE

State below in reasonable detail the reasons why Forms 10-K, 20-F, 11-K, 10-Q, N-SAR, or the transition report or portion thereof, could not be filed within the prescribed time period.

The Registrant's 10-KSB for the year ended December 31, 2000 has not yet been filed due to personnel turnover in the Registrant's finance department. The 10-KSB is in the final stages of completion, and the 10-QSB cannot be filed until that process is finished.

PART IV -- OTHER INFORMATION

| (1) | Name and telephone number of person to contact in regard to this notification | | | | | |
|--|---|-----------------------|---|-----------------------|--|--|
| | Patricia Pilz (Name) | 530 (Area Code) | 792-2600 (Telephone Number) | | | |
| (2) | Have all other periodic reports required under Section 13 or 15(d) of the Securities Exc Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preced months or for such shorter period that the registrant was required to file such report(s filed? If answer is no, identify report(s). [] Yes [X] No | | | | | |
| Form 10-KSB for the year ended December 31, 2000 | | | | | | |
| (3) | Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof? [] Yes [X] No | | | | | |
| - | | * | ge, both narratively and quate of the results cannot | | | |
| Integrated Surgical Systems, Inc. (Name of Registrant as Specified in Charter) | | | | | | |
| has ca | used this notification to b | e signed on its behal | f by the undersigned hereu | anto duly authorized. | | |
| Date: | May 15, 2001 | | By: /s/ PATRICIA PILZ Patricia Pilz Chief Financial C | | | |