

As filed with the Securities and Exchange Commission on February 16, 1999
Registration No. 333-69815

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

AMENDMENT NO. 1 TO
FORM S-3
REGISTRATION STATEMENT UNDER
THE SECURITIES ACT OF 1933

Advanced Polymer Systems, Inc.

(Exact name of registrant as specified in its charter)

Delaware 94-2875566

(State or other jurisdiction of incorporation or organization) (I.R.S. employer identification no.)

123 Saginaw Drive, Redwood City, California 94063 (650) 366-2626

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

Michael O'Connell
Executive Vice President and
Chief Financial Officer
Advanced Polymer Systems, Inc.
123 Saginaw Drive
Redwood City, California 94063
(650) 366-2626

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copy to:
Richard A. Peers, Esq.
Heller Ehrman White & McAuliffe
525 University Avenue
Palo Alto, California 94301-1908
(650) 324-7000 (phone)
(650) 324-0638 (fax)

Approximate date of commencement of proposed sale to the public:
As soon as practicable after the effective date of this Registration Statement.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, as amended, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box. X

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act of 1933, as amended, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act of 1933, as amended, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If delivery of the prospectus is expected to be made pursuant to Rule 434, please check the following box.

CALCULATION OF REGISTRATION FEE

Title of Shares to be Registered	Amount to be Registered	Proposed Maximum Offering Price per Share (1)	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee
Common Stock	200,000	\$4.75	\$950,000	\$264.10(2)

(1) Estimated in accordance with Rule 457(c) solely for the purpose of computing the amount of the registration fee based on the average of the high and low prices of the company's common stock on the Nasdaq National Market on December 28, 1998.

(2) Previously paid.

The Registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment that specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until this Registration Statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

PROSPECTUS (Subject to Completion) Dated February 16, 1999

ADVANCED POLYMER SYSTEMS, INC.
up to 200,000 Shares of Common Stock

Biosource Technologies, Inc. may offer and sell up to 200,000 shares of Advanced Polymer Systems common stock. We will pay the expenses of this offering.

On January 29, 1999, the company had 19,993,311 shares of its common stock issued and outstanding. Our common stock trades on the Nasdaq National Market under the symbol "APOS". On January 29, 1999, the last reported sale price of the common stock on the Nasdaq National Market was \$4.75 per share.

Beginning on page 4, we have listed several "RISK FACTORS" which you should consider. You should read the entire prospectus carefully before you make your investment decision.

The Securities and Exchange Commission and state regulatory authorities have not approved or disapproved these securities, or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The Date of this Prospectus is February --, 1999

You should rely only on the information contained in this prospectus. We have not authorized anyone to provide you with information different from that contained in this prospectus. The selling security holder is offering to sell, and seeking offers to buy, shares of Advanced Polymer Systems, Inc. common stock only in jurisdictions where offers and sales are permitted. The information contained in this prospectus is accurate only as of the date of this prospectus, regardless of the time of delivery of this prospectus or of any sale of the shares.

TABLE OF CONTENTS

	Page
Risk Factors	4
Where You Can Find More Information	7
Documents Incorporated by Reference	7
Forward-Looking Information	8
Selling Security Holder	8
Plan of Distribution	10
Description of Capital Stock	11
Use of Proceeds	12
Legal Matters	13
Experts	14

RISK FACTORS

You should consider carefully the following risk factors, along with other information contained or incorporated by reference in this prospectus, in deciding whether to invest in our securities. These factors, among others, may cause actual results, events or performances to differ materially from those expressed in any forward-looking statements we made in this prospectus.

Historically, we have not been profitable. In the past, we have not generated enough cash from operations to cover our costs. We have operated in the past by using cash generated from financings, including the sale of securities. However, we have been profitable in certain recent quarters, and have had growth in revenues, derived principally from product sales, license fees and royalties. However, we may not be able to continue to generate significant future revenues or continue to sell products at a profit.

We may not be able to obtain additional financing that we need in the future. If our costs are higher than expected or revenues do not meet expectations, we may have to generate additional funds to sustain and develop our business, including through joint ventures, licensing and debt and equity financings. We anticipate that our existing capital resources will permit us to meet our capital and operational requirements through at least the end of 1999. However, we base this expectation on our current operating plan which can change as a result of many factors.

If such additional funding is required, but is unavailable on commercially reasonable terms, we would have to significantly reduce operating expenses, by decreasing spending on:

- outside clinical programs, or
- a variety of other discretionary external expenditures.

These events could have a material adverse effect on the Company.

We may need to sell additional securities to raise funds to operate. Although we expect to meet our capital and operational requirements through at least the end of 1999, we may have to generate additional funds to sustain and develop our business. In the past, one source of funds was the sale of additional securities. If we need to raise funds to operate we may have to sell additional securities at a discount. These sales could:

- dilute existing shareholders' equity ownership, and
- decrease stock value since we will be selling it at discounted prices.

There are risks relating to market acceptance of our Microsponge(R) products. Our Microsponge products are based on relatively new technologies. Although we have been commercially successful with numerous ingredients and agents, such as creams to treat acne and to reduce the appearance of fine lines and wrinkles, commercialization of products utilizing our Microsponge delivery systems is still in its early stages.

We may not be able to continue to successfully commercialize our Microsponge products, which would have an adverse effect on the Company.

Some of our products must satisfy government safety regulations. The regulatory process necessary to establish product safety and efficacy in the United States and in other countries where our products may be distributed includes preclinical testing and clinical trials. This can be very time consuming and costly.

Furthermore, even after significant time and expenditure, regulatory agency approvals may not be obtained, which could adversely effect our results. Moreover, if regulatory agency approval of a product is granted, such approval may be

- limited to certain uses of the product, or
- temporary, as marketed product and its manufacture are subject to continued review by regulatory authorities.

Personal care products are not currently subject to active regulation by the FDA in the same manner as pharmaceutical products. Nonetheless, more extensive regulation could occur in the future. This regulation could impose additional costs or slow the introduction of personal care products utilizing our delivery systems.

Our competitors are larger and have more experience. Other companies are developing products based on similar technologies for cosmetic, therapeutic and industrial applications. We are in competition with other companies that possess:

- greater financial and technical resources,
- greater manufacturing and marketing capabilities and
- more experience in testing and obtaining any necessary regulatory approval.

We may not be able to successfully compete against larger and more experienced companies.

Our stock price is volatile and could continue to fluctuate. The market price of our Common Stock has been and may continue to be highly volatile. Future events, many of which will be beyond the control of the Company, may have a significant impact on the market price of the Company's Common Stock. The following events could have a depressive effect on the market price of the Company's Common Stock:

- quarterly fluctuations in revenues and financial results;
- future sales of Shares by the Selling Stockholder or by other current stockholders, or
- future sales of Shares by option holders and warrant holders who exercise Company stock options or warrants.

These events could have a material adverse effect on the company and its stockholders.

Arrangements with collaborative partners may not be successful. We have entered into collaborative agreements with certain major corporations

pursuant to which these companies are entitled to specific product and marketing rights. We also rely, at least in part, on additional collaborative agreements to develop and commercialize certain future products. However, we may not be able to negotiate acceptable collaborative agreements in the future. Our existing collaborative agreements or future collaborative agreements may not be successful.

Our anti-takeover provisions may inhibit a takeover or reduce consideration received by stockholders. On August 19, 1996, the Board of Directors adopted a Stockholders Rights Plan, which allows stockholders to purchase Company Stock at a discount in the event of a tender offer or when any person acquires 20% or more of the outstanding Common Stock of the Company, subject to certain exceptions. The existence of this anti-takeover provision may:

- delay, defer or prevent a change of control of the Company;
- make the Company less attractive to any potential acquiror;
- cause stockholders to receive less for their shares than would otherwise be available in the event of a takeover attempt.

We may incur costs in order to adequately address Year 2000 issues. Year 2000 exposure is the result of computer programs using two instead of four digits to represent the year. These computer programs may erroneously interpret dates beyond the year 1999, which could cause system failures or other computer errors, leading to disruptions in operations. We have begun to develop a program to limit or eliminate Y2K exposures. This program will try to accomplish the following:

- identify those systems, applications and third-party relationships from which we have exposure to Y2K disruptions in operations;
- develop and implement action plans to achieve Y2K compliance in all areas prior to the end of 1999;
- develop contingency plans which would be implemented should Y2K compliance not be achieved in order to minimize disruptions in operations;
- test each major area of exposure to ensure compliance.

We have not yet completed this program. We expect to complete it by the end of 1999, though we may not be successful in doing so.

Based on current estimates, we expect the total cost of our Y2K program will be less than \$650,000, approximately \$510,000 of which has been incurred to date. The estimate may change materially as we continue to review and audit the results of the implemented program.

Failure to complete all necessary procedures by the Year 2000 may have a material adverse impact on the operations of the Company. Failure of third parties, such as customers and suppliers, to resolve year 2000 problems in their systems would also have a material adverse impact on the Company.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly, and current reports, proxy statements, and other documents with the Securities and Exchange Commission. You may read and copy any document we file at the SEC's public reference room at Judiciary Plaza Building, 450 Fifth Street, N.W., Room 1024, Washington, D.C. 20549. You should call 1-800-SEC-0330 for more information on the public reference room. The SEC maintains an internet site at <http://www.sec.gov> where certain information regarding issuers (including Advanced Polymer Systems) may be found.

This prospectus is part of a registration statement that we filed with the SEC (Registration No. 333-69815). The registration statement contains more information than this prospectus regarding the Company and its common stock, including certain exhibits and schedules. You can get a copy of the registration statement from the SEC at the address listed above or from its internet site.

DOCUMENTS INCORPORATED BY REFERENCE

The SEC allows us to "incorporate" into this prospectus information we file with the SEC in other documents. This means that we can disclose important information to you by referring to other documents that contain that information. The information may include documents filed after the date of this prospectus which update and supersede the information you read in this prospectus. We incorporate by reference the documents listed below, except to the extent information in those documents is different from the information contained in this prospectus, and all future documents filed with the SEC under Sections 13(a), 13(c), 14, or 15(d) of the Securities Exchange Act of 1934 until we terminate the offering of these shares.

SEC Filing (File No. 000-16109) -----	Period/Filing Date -----
Annual Report on Form 10-K	Year ended December 31, 1997
Quarterly Reports on Form 10-Q	Quarter ended March 31, 1998
	Quarter ended June 30, 1998
	Quarter ended September 30, 1998

You may request a copy of these documents, at no cost, by writing to:

Advanced Polymer Systems, Inc.
123 Saginaw Drive
Redwood City, California 94063
Attention: Investor Relations
Telephone: (650) 366-2626

FORWARD-LOOKING INFORMATION

Statements made in this prospectus or in the documents incorporated by reference herein that are not statements of historical fact are forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, and Section 21E of the Securities Exchange Act of 1934. A number of risks and uncertainties, including those discussed under the caption "Risk Factors" below and the documents incorporated by reference herein could affect such forward-looking statements and could cause actual results to differ materially from the statements made.

SELLING SECURITY HOLDER

The following table sets forth the name of the selling security holder, the maximum number of shares of common stock owned beneficially by the selling shareholder as of January 29, 1999 and the maximum number of shares that may be offered pursuant to this prospectus. This information is based upon information provided by the selling security holder. Applicable percentage of ownership is based on 19,993,311 shares of common stock outstanding as of January 29, 1999.

Selling Security Holder -----	Common Stock Beneficially Owned Prior to Offering -----		Common Stock to be sold -----	Common Stock Beneficially owned After Offering(1) -----	
	Number -----	Percent -----		Number -----	Percent -----
Biosource Technologies, Inc	200,000	1%	200,000	--	--

PLAN OF DISTRIBUTION

The selling security holder may offer its shares from time to time in one or more of the following transactions:

- in the over-the-counter market;
- on the Nasdaq National Market (or any other exchange on which the shares may be listed);
- in negotiated transactions, or
- a combination of such methods of sale.

The selling stockholder may sell the shares at market prices prevailing at the time of sale, at prices related to such prevailing prices or at negotiated prices, and may use the shares to cover short positions previously established. The selling security holder may use broker-dealers to sell the shares. The broker-dealers will either receive discounts or commissions from the selling security holder, or they will receive commissions from purchases of shares.

The selling security holder and any broker-dealers that participate in the distribution may under certain circumstances be deemed to be "underwriters" within the meaning of the Securities Act. Any commissions received by these broker-dealers and any profits realized on the resale of shares by them may be considered underwriting discounts and commissions under the Securities Act. The selling security holder may agree to indemnify these broker-dealers against certain liabilities, including liabilities under the Securities Act. Additionally, if the selling security holder desires to sell 20,000 or more of the shares to the public, it will so inform the Company and provide the Company up to five days to find a block buyer for such shares.

Broker-dealers may agree with the selling security holder to sell a specified number of shares at a stipulated price per share, and may purchase as principal any unsold shares at the price required to fulfill the broker-dealer commitment. Broker-dealers who acquire shares as principal may thereafter resell the shares from time to time in transactions in the over-the-counter market, in negotiated transactions or otherwise at market prices prevailing at the time of sale or at negotiated prices, and may pay to or receive from the purchasers commissions computed as described above.

Under the rules and regulations of the SEC, any person engaged in the distribution or the resale of shares may not simultaneously engage in market making activities with respect to the common stock of the company for a period of two business days prior to the commencement of such distribution. The selling security holders will also be subject to applicable provisions of the Exchange Act, and the rules and regulations under the Exchange Act which may limit the timing of purchases and sales of shares of the company's common stock by the selling security holders.

The selling security holder will pay all commissions, transfer taxes, and other expenses associated with the sale of securities by them. The shares offered in this prospectus are being registered pursuant to contractual

obligations of the company, and the company has paid the expenses of the preparation of this prospectus. We have not made any underwriting arrangements with respect to the sale of shares offered hereby.

DESCRIPTION OF CAPITAL STOCK

As of the date of this Prospectus, the authorized capital stock of the Company consists of 50,000,000 shares of \$0.01 par value Common Stock and 2,500,000 shares of \$0.01 par value Preferred Stock.

COMMON STOCK

As of January 31, 1999, there were 19,993,311 shares of Common Stock outstanding held of record by 570 stockholders. The holders of Common Stock are entitled to one vote for each share held of record on all matters submitted to a vote of the stockholders. Subject to preferences that may be applicable to any outstanding Preferred Stock, holders of Common Stock are entitled to receive ratably such dividends as may be declared by the Board of Directors out of funds legally available therefor. In the event of a liquidation, dissolution or winding up of the Company, holders of Common Stock are entitled to share ratably in all assets remaining after payment of liabilities and the liquidation preference of any outstanding Preferred Stock. Holders of Common Stock have no preemptive rights, no right to convert their Common Stock into any other securities, and no right to vote cumulatively for the election of directors. The outstanding shares of Common Stock are fully paid and nonassessable.

On August 19, 1996, the Board of Directors adopted a Stockholders Rights Plan, which allows stockholders to purchase Common Stock at discount in the event of a tender offer or when any person acquires 20% or more of the outstanding Common Stock of the Company, subject to few exceptions.

The Company has not paid cash dividends on its Common Stock and does not plan to pay any such dividends in the foreseeable future. Under certain lending agreements, the Company is restricted from declaring or paying dividends on its Common Stock.

PREFERRED STOCK

The Board of Directors may authorize the issuance of up to 2,500,000 shares of Preferred Stock in one or more series and fix the rights, preferences, privileges and restrictions thereof, including dividend rights, conversion rights, voting rights, terms of redemption, liquidation preferences and the number of shares constituting any series or the designation of such series, without any further vote or action by the stockholders. The issuance of Preferred Stock may have the effect of delaying, deferring or preventing a change in control of the company without action by the shareholders and could adversely affect the rights and powers, including voting rights, of the holders of Common Stock. In certain circumstances, the issuance of Preferred Stock could depress the

market price of Common Stock. As of February 16, 1999, there were no shares of Preferred Stock outstanding.

USE OF PROCEEDS

The selling security holder was issued up to 200,000 shares under a Settlement Agreement and Release, dated December 22, 1998, between the company and the selling security holder in connection with the settlement of a lawsuit between them. The selling security holder will receive all of the proceeds from the sale of the shares and will pay all underwriting discounts and selling commissions, if any, applicable to the sale of the shares. We will pay the expenses of registration of the sale of the shares.

LEGAL MATTERS

The validity of the shares offered hereby will be passed upon for us by Heller Ehrman White & McAuliffe, Palo Alto, California, counsel to the company. Julian N. Stern, the Secretary of the company, is the owner of 179,000 shares of common stock and is the sole stockholder and employee of a professional corporation that is a partner of Heller Ehrman White & McAuliffe.

EXPERTS

The financial statements of Advanced Polymer Systems, Inc. which appear in its Annual Report (Form 10-K) for the year ended December 31, 1997 have been audited by KPMG Peat Marwick LLP, independent auditors, as set forth in their report thereon and included therein and incorporated herein by reference. Such financial statements are incorporated herein by reference in reliance upon such report given upon the authority of such firm as experts in accounting and auditing.

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14. Other Expenses Of Issuance And Distribution.

The following table sets forth various expenses in connection with the sale and distribution of the securities being registered. All of the amounts shown are estimates except for the Securities and Exchange Commission Registration Fee.

Securities and Exchange Commission Registration Fee	\$ 264.10
Accounting Fees	5,000.00
Legal Fees and Disbursements	10,000.00
Miscellaneous	735.90

Total	\$16,000.00
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Item 15. Indemnification Of Officers And Directors.

The registrant has the power to indemnify its officers and directors against liability for certain acts pursuant to Section 145 of the General Corporation Law of the State of Delaware. Section B of Article VI of the registrant's Certificate of Incorporation provides:

"(1) Right to Indemnification. Each person who was or is made a party or is threatened to be made a party to or is involved in any action, suit or proceeding, whether civil, criminal, administrative or investigative (hereinafter a "proceeding"), by reason of the fact that he or she, or a person of whom he or she is the legal representative, is or was a director or officer, of the Corporation or is or was serving at the request of the Corporation, as a director, officer, employee or agent of another corporation or of a partnership, joint venture, trust or other enterprise, including service with respect to employee benefit plans, whether the basis of such proceeding is alleged action in an official capacity as a director, officer, employee or agent or in any other capacity while serving as a director, officer, employee or agent, shall be indemnified and held harmless by the Corporation to the fullest extent authorized by the General Corporation Law of the State of Delaware, as the same exists or may hereafter be amended (but, in the case of any such amendment, only to the extent that such amendment permits the Corporation to provide broader indemnification rights than said law permitted the Corporation to provide prior to such amendment), against all expense, liability and loss (including attorneys' fees, judgments, fines, ERISA excise taxes or penalties and amounts paid or to be paid in settlement) reasonably incurred or suffered by such person in connection therewith and such indemnification shall continue as to a person who has ceased to be a director, officer, employee or agent and shall inure to the benefit of his or her heirs, executors and administrators; provided, however, that, the Corporation shall indemnify any such person seeking indemnification in connection with a proceeding (or part thereof) initiated by such person

only if such proceeding (or part thereof) was authorized by the board of directors of the Corporation. The right to indemnification conferred in this Section B shall be a contract right and shall include the right to be paid by the Corporation the expenses incurred in defending any such proceeding in advance of its final disposition; provided, however, that, if the General Corporation Law of the State of Delaware requires, the payment of such expenses incurred by a director or officer in his or her capacity as a director or officer (and not in any other capacity in which service was or is rendered by such person while a director or officer, including, without limitation, service to an employee benefit plan) in advance of the final disposition of a proceeding, shall be made only upon delivery to the Corporation of an undertaking, by or on behalf of such director or officer, to repay all amounts so advanced if it shall ultimately be determined that such director or officer is not entitled to be indemnified under this Section or otherwise. The Corporation may, by action of its Board of Directors, provide indemnification to employees and agents of the Corporation with the same scope and effect as the foregoing indemnification of directors and officers.

(2) Non-Exclusivity of Rights. The right to indemnification and the payment of expenses incurred in defending a proceeding in advance of its final disposition conferred in this Section B shall not be exclusive of any other rights which any person may have or hereafter acquire under any statute, provisions of this Certificate of Incorporation, Bylaw, agreement, vote of stockholders or disinterested directors or otherwise.

(3) Insurance. The Corporation may maintain insurance, at its expense, to protect itself and any director, officer, employee or agent of the Corporation or another corporation, partnership, joint venture, trust or other enterprise against any such expense, liability or loss, whether or not the Corporation would have the power to indemnify such person against such expense, liability or loss under Delaware General Corporation Law." Registrant maintains directors' and officers' liability insurance in the amount of \$5,000,000 which covers civil liabilities. Such insurance helps the Registrant to attract qualified officers and directors, by providing a means for the Company to pay the costs and expenses involved in the event civil litigation is brought against of one of the Registrant's officers or directors.

Item 16. Exhibits.

EXHIBIT	DESCRIPTION
5	-- Opinion of Heller, Ehrman, White & McAuliffe(1)
23.1	-- Consent of Heller, Ehrman, White & McAuliffe (filed as part of Exhibit 5)
23.2	-- Consent of KPMG Peat Marwick LLP

[FN]

(1) Previously filed.

Item 17. Undertakings.

A. The undersigned Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement;

(i) To include any prospectus required by section 10(a)(3) of the Securities Act of 1933;

(ii) To reflect in the prospectus any facts or events arising after the effective date of the Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the Registration Statement;

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the Registration Statement or any material change to such information in the Registration Statement;

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new Registration Statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

B. That, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to section 13(a) or section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offering therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

C. Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the Registrant pursuant to the provisions described under Item 15 above, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission, such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted against the Registrant by such director, officer

or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized in Redwood City, State of California, on the 29th day of December, 1998.

ADVANCED POLYMER SYSTEMS, INC.

By: /S/ Michael O'Connell

Michael O'Connell
Chief Financial Officer

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed below by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
-----	-----	-----
/S/ John J. Meakem, Jr. ----- John J. Meakem, Jr.	Chairman, President, Chief Executive Officer (Principal Executive Officer)	February 16, 1999 -----
/S/ Michael O'Connell ----- Michael O'Connell	Executive Vice President, Chief Administrative Officer and Chief Financial Officer (Principal Financial Officer and Principal Accounting Officer)	February 16, 1999 -----
/S/ Carl Ehmann* ----- Carl Ehmann	Director	February 16, 1999 -----
/S/ Jorge Heller* ----- Jorge Heller	Director	February 16, 1999 -----
/S/ Peter Riepenhausen* ----- Peter Riepenhausen	Director	February 16, 1999 -----
/S/ Toby Rosenblatt* ----- Toby Rosenblatt	Director	February 16, 1999 -----
/S/ Gregory H. Turnbull* ----- Gregory H. Turnbull	Director	February 16, 1999 -----
/S/ C. Anthony Wainwright* ----- C. Anthony Wainwright	Director	February 16, 1999 -----
/S/ Dennis Winger* ----- Dennis Winger	Director	February 16, 1999 -----

* by /S/ Michael O'Connell Attorney-in-fact.

ADVANCED POLYMER SYSTEMS, INC.

EXHIBIT INDEX

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23.2	-- Consent of KPMG Peat Marwick LLP

[FN]
(1) Previously filed.

CONSENT OF KPMG PEAT MARWICK LLP

The Board of Directors
Advanced Polymer Systems, Inc.:

We consent to the use of our report incorporated herein by reference and to the reference to our firm under the heading "Experts" in the prospectus.

/S/ KPMG Peat Marwick LLP

San Francisco, California
February 16, 1999