

**UNITED STATES  
SECURITIES AND EXCHANGE  
COMMISSION**

Washington, D.C. 20549

**SCHEDULE 13G**

OMB APPROVAL

OMB Number:  
3235-0145

Expires: December  
31, 2005

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response. . 11

**Under the Securities Exchange Act of 1934  
(Amendment No. )\***

**TEGAL CORPORATION**

(Name of Issuer)

**COMMON STOCK, PAR VALUE \$.01 PER SHARE**

(Title of Class of Securities)

**879008 10 0**

(CUSIP Number)

**September 9, 2003**

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this 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 the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" 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).

**CUSIP No.**

**1. Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only)**  
ORIN HIRSCHMAN

**2. Check the Appropriate Box if a Member of a Group (See Instructions)**

(a)

(b)

**3. SEC Use Only**

**4. Citizenship or Place of Organization**  
United States

**5. Sole Voting Power**  
1,679,996

**Number of**

- Shares Beneficially Owned by Each Reporting Person With**
6. **Shared Voting Power**  
0
7. **Sole Dispositive Power**  
1,679,996
8. **Shared Dispositive Power**  
0
9. **Aggregate Amount Beneficially Owned by Each Reporting Person**  
1,679,996
10. **Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)** [  ]
11. **Percent of Class Represented by Amount in Row (9)**  
9.4%
12. **Type of Reporting Person (See Instructions)**  
IN

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**Item 1.**

- (a) **Name of Issuer**  
Tegal Corporation
- (b) **Address of Issuer's Principal Executive Offices**  
2201 South McDowell Boulevard  
Petaluma, California 94954

**Item 2.**

- (a) **Name of Person Filing**  
Orin Hirschman
- (b) **Address of Principal Business Office or, if none, Residence**  
The principal business office of Orin Hirschman is 6006 Berkeley Avenue  
Baltimore, Maryland 21209
- (c) **Citizenship**  
Orin Hirschman is a United States citizen.
- (d) **Title of Class of Securities**  
1,679,996 shares of Common Stock
- (e) **CUSIP Number**  
879008 10 0

**Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**  
N/A

- (a) [  ] **Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);**
- (b) [  ] **Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);**
- (c) [  ] **Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);**
- (d) [  ] **Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);**
- (e) [  ] **An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);**
- (f) [  ] **An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);**
- (g) [  ] **A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);**
- (h) [  ] **A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);**
- (i) [  ] **A church plan that is excluded from the definition of an investment company under section 3(c)(14) of**

- (j) [ ] the Investment Company Act of 1940 (15 U.S.C. 80a-3);  
Group, in accordance with §240.13d-1(b)(1)(ii)(J).

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**Item 4. Ownership**

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

**(a) Amount beneficially owned:**

1,679,996 shares (including 1,400,000 shares of Common Stock issuable upon conversion of debentures and 279,996 shares of Common Stock issuable upon exercise of warrants)

**(b) Percent of class:**

9.4%

**(c) Number of shares as to which Orin Hirschman has:**

**(i) Sole power to vote or to direct the vote**

1,679,996

**(ii) Shared power to vote or to direct the vote**

0

**(iii) Sole power to dispose or to direct the disposition of**

1,679,996

**(iv) Shared power to dispose or to direct the disposition of**

0

**Item 5. Ownership of Five Percent or Less of a Class**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following.

[ ]

**Item 6. Ownership of More than Five Percent on Behalf of Another Person**

N/A

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person**

N/A

**Item 8. Identification and Classification of Members of the Group**

N/A

**Item 9. Notice of Dissolution of Group**

N/A

**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 any transaction having that purpose or effect.

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**Signature**

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.

September 18, 2003

**Date**

/s/ ORIN HIRSCHMAN

**Signature**

ORIN HIRSCHMAN

**Name/Title**

The original statement shall be signed by each person on whose behalf the statement is filed or his authorized representative. If the statement is signed on behalf of a person by his authorized representative other than an executive officer or general partner of the filing person, evidence of the representative's authority to sign on behalf of such person shall be filed with the statement, provided, however, that a power of attorney for this purpose which is already on file with the Commission may be incorporated by reference. The name and any title of each person who signs the statement shall be typed or printed beneath his signature.

*NOTE:* Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See §240.13d-7 for other parties for whom copies are to be sent.

**Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001)**